

October 14, 2005

VIA OVERNIGHT MAIL

Luly E. Massaro, Commission Clerk Rhode Island Public Utilities Commission 89 Jefferson Boulevard Warwick, RI 02888

Re: The Narragansett Electric Company Demand Side Management Programs for 2006; Docket No. 3701

Dear Ms. Massaro:

We respectfully request Commission approval of the enclosed settlement between The Narragansett Electric Company ("Company"), the Rhode Island Division of Public Utilities and Carriers, the Energy Council of Rhode Island, the Rhode Island State Energy Office, and People's Power and Light, which sets forth the Company's proposed demand side management programs for 2006.

The Company looks forward to meeting with the Commission at the technical session scheduled for October 28, 2005 on this settlement.

Thank you very much for your time and attention to this matter.

Very truly yours,

Thomas G. Robinson

Laura S. Olton

Vhorus Mob

Laura S. Olton

cc: John Farley, TEC RI
William K. Lueker, Division
Janice McClanaghan, State Energy Office
Erich Stephens, People's Power and Light LLC

STATE OF RHODE ISLAND AND PROVIDENCE PLANTATIONS PUBLIC UTILITIES COMMISSION

)	
In Re: The Narragansett Electric Company,)	Docket No. 3701
Demand-Side Management Programs for 2006)	
)	

SETTLEMENT OF THE PARTIES

October 14, 2005

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- 1. 2006 Residential Programs
- 2. Summary of Proposed Changes to Residential Programs for 2006
- 3. 2006 Small Business Services Program
- 4. 2006 Large Business Services Programs
- Summary of Proposed Changes to the Large Business Services and Small Business Services Programs for 2006
- 6. 2006 Proposed Budget and 2006 Proposed Budget Vs. 2005 True-Up Budget
- 7. DSM Funding Sources in 2006 by Sector
- 8. 2006 Performance Metrics
- Derivation of the 2006 Spending Budget for Shareholder Incentive Calculation and Target 2006 Shareholder Incentive
- 10. Calculation of 2006 Program Year Cost-Effectiveness and Goals
- 11. Avoided Energy Supply Costs for 2006

I. Introduction

2 This Stipulation and Settlement ("Settlement") is jointly submitted and entered into by

- 3 the Rhode Island Division of Public Utilities and Carriers ("Division"), The Energy
- 4 Council of Rhode Island ("TEC-RI"), the Rhode Island State Energy Office ("SEO"),
- 5 People's Power and Light ("PP&L") and The Narragansett Electric Company
- 6 ("Narragansett" or "Company") (together, the "Parties"), and addresses all issues raised
- 7 by members of the DSM Collaborative concerning the Company's Demand-Side
- 8 Management ("DSM") Programs for the year 2006.

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10 A DSM collaborative group has been meeting regularly since 1991 to analyze and inform

the Company's DSM programs. Since 1997, the Company has been offering its

programs pursuant to statute, R.I.G.L. 39-2.1-2(b).

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14 Prior stipulations and settlements have set forth the criteria for the Company's DSM

programs, including that the DSM programs: (1) be as cost-effective as possible; (2)

serve a large number and broad mix of Rhode Island customers; (3) maximize long-term

savings; (4) capture potential lost opportunities for efficiency improvement; (5) promote

market transformation; and (6) support long-term electricity supply and reliability

objectives. In addition to these goals, the Parties have included an increased emphasis on

services for low and moderate income residential consumers as a means of helping these

consumers deal with high fuel prices.

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Over time, in response to customer feedback obtained through public forums and

24 elsewhere, the DSM Collaborative has worked to enhance programs for customers by

¹ Members of the Collaborative presently include the Company, the Division, the SEO, TEC-RI, PP&L, and CCJ. The constitution of the Collaborative has varied since 1991, as some organizations have withdrawn and others have joined. CCJ, a party to last year's settlement, has advised the Collaborative that it wishes to withdraw from the Collaborative. Accordingly, this year's Settlement does not include a signature block for CCJ.

1 improving the efficiency and quality of energy-efficient products, expanding services to

customers, and becoming more involved in statewide and regional initiatives.

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II. 2005 Program Status

- 5 The Company currently projects that nearly all of its approved DSM budget for 2005 will
- 6 be spent or committed by year end and that sector savings goals will be achieved. As
- 7 shown in Attachment 7, the Company currently projects that it will carry a fund balance
- 8 of \$785,400 into 2006. The Company will file its Year-End Report regarding the 2005
- 9 programs no later than May 1, 2006.

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III. 2006 DSM Programs

- 12 The DSM programs for 2006 build on the momentum and success of prior DSM
- programs and services, focus on providing needed services to low and moderate income
- residential consumers as a means of reducing bills, and also provide support to the Rhode
- 15 Island Greenhouse Gas Process Stakeholder Group's activities. The Parties agree to the
- 16 Company's 2006 DSM Programs described below²:

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A. Residential Programs

- In 2006, the Parties agree to continue the residential programs offered in 2005.
- These programs include the Energy *Wise* Program, the Single Family Low Income
- 21 Services Program (formerly known as the Appliance Management Program),
- 22 ENERGY STAR® Appliances, ENERGY STAR Heating Program, ENERGY
- 23 STAR Central Air Conditioning Program, ENERGY STAR Lighting, ENERGY
- 24 STAR Homes, and Energy Efficiency Educational Programs. Descriptions of
- 25 these programs are provided in Attachment 1. A summary of the proposed
- 26 changes from 2005 are provided in Attachment 2.

² Throughout the program year, the Parties may consider additional enhancements beyond those identified herein as more information becomes available to support an informed review of those potential changes.

The Collaborative wants customers who have difficulty paying their electric bills to participate in the Company's energy efficiency programs, especially in these times of escalating energy prices. Several of the Company's proposed programs provide these customers with services that are designed to help reduce their electric bills, including the Single Family Low Income Services Program, the Energy Wise Program, and the ENERGY STAR Homes Program. The Single Family Low Income Services Program provides qualifying low-income customers in 1-4 unit dwellings with energy efficiency services. Both low-income and non low-income residential customers receive services through the Energy Wise Program and the ENERGY STAR Homes Program. Additional detail about the services offered to economically disadvantaged customers is set forth in Attachment 1.

B. Small Business Services Program

The Parties agree to continue the Small Business Services Program in 2006 with continued emphasis on greater comprehensiveness and custom treatment for non-prescriptive lighting measure installations in the program. A description of the Small Business Services Program, including expected changes from 2005, is provided in Attachment 3.

C. Large Business Services Programs

The Parties agree to continue the Energy Initiative and Design 2000*plus* Programs in 2006 as described in Attachment 4. The Company intends to build on its experience promoting better energy performance in commercial facilities by offering a number of new initiatives, including Commercial and Industrial Benchmarking Services and Retrocommissioning. Benchmarking will focus on comparing a customer's energy use to its own historic patterns or that of other similar enterprises, and using the analysis to guide the adoption of energy efficiency practices or equipment. Retrocommissioning is an in-depth

examination of the operations and maintenance of existing buildings, with the objective of identifying energy and O&M savings. In 2006, the Company plans to reduce the incentives provided to participants for selected measures installed through the program. This will allow the Company to provide program services to more customers than it might have been able to if rebates were unchanged. More detail on each of these new initiatives, as well as continuing program efforts, is available in Attachment 4.

A summary of proposed changes and process improvements to these programs is provided in Attachment 5.

IV. Budgets and Funding Sources

A. Budgets

The Parties agree that the portfolio of DSM programs and services for 2006 will have an overall projected budget of \$21,706,800. Proposed program budgets are provided in Attachment 6. A comparison of these proposed budgets to the 2005 budget filed with the Commission on June 10, 2005 in the Company's "True-up" filing is also provided in Attachment 6.

B. Sector Budgets and Transferring of Funds

The Parties propose to use the same methodology that has been used since 2001 for the transfer of funds from one program to another. The Parties agree to segment the budget into three sectors: residential, small commercial and industrial, and large commercial and industrial. Transfers may occur as follows:

- a. Within a sector, the Company can transfer funds from one program to another only with prior approval by the Division.
- b. With Division approval, the Company can transfer funds from one sector to another so long as the transfers from a sector reduce

the approved budget for that sector by 20% or less. Transfers that would reduce a sector's budget by more than 20% in aggregate (over the course of the program year) will require Commission approval.

For transfers requiring Division, but not Commission, approval, the Parties will inform the Commission about all the transfers, both between sectors and within sectors, in a timely fashion. The Parties will regularly review the amount of funds needed and available for each program (as well as any changes to the overall fund balance, as discussed in Section IV.C below) and will transfer monies as needed. The Company will not be permitted to adjust its incentive target calculations for any transfers between sector budgets except as described in Section IV.C below.

C. 2006 DSM Program Funding Sources

The sources of funding for the 2006 DSM Programs are shown in Attachment 7. The Parties agree that the 2006 budget should continue to be funded from the following sources: (1) the statutory-based DSM charge of \$0.002 per kWh; (2) interest earned; (3) funds received from Small Business Program co-payments and from large Commercial and Industrial technical assistance co-payments in 2006; (4) Large C&I commitments from 2005; and (5) carryover of the 2005 fund balance, if any. The projected funding amounts are also shown in Attachment 7.

The projected 2006 budget for DSM programs is dependent on a number of projections that inform the amount of funding, including projections of kilowatthour sales of electricity, year-end 2005 large commercial and industrial program commitments, and a projection of year-end 2005 spending. In order to obtain the most accurate budget possible, the Parties agree to true up each of the components of the budget calculation that are currently projected with actual year-end numbers. The true-up will occur when year-end actual amounts become

available, but no later than May 31, 2006 (the "May True-up"). The May True-up will result in more or less money being available for the 2006 DSM budget. The Parties will review the budget to determine how best to revise the budget in accordance with the results of the true-up. If the difference between the results of the true-up and the filed budget is 20% or less of the total approved budget, the Division shall have the authority to approve the reallocation. The Company will be permitted to adjust the projected spending budgets and savings goals in the shareholder incentive calculation in accordance with the adjustments made in the May True-up filing.

The Parties agree that the Company should make every attempt to spend or commit all the funds available for DSM in a given year, including any increases in the fund balance due to increased sales or other factors. The Company will seek Division or Commission approval of any proposed revisions throughout the year in accordance with the procedure described above for the May True-up. The Parties also agree to review the status of program budgets regularly to assess whether they are likely to come to a successful completion. If not, the Parties agree to review the advisability of transferring funds to other programs where the money could be more effectively used.

V. Continuation of the Collaborative

The Parties agree that the Collaborative shall meet no less than six times in 2006 to review the status and performance of the Company's 2006 DSM programs and to review proposed 2007 DSM programs and performance metrics. The Parties agree that it is desirable to reach an agreement on the Company's 2007 DSM programs and performance metrics by October 2, 2006, in order to make a timely filing with the Commission for approval. If the Parties are unable to agree on all or part of the Company's 2007 DSM programs or performance metrics, the Company will be free to unilaterally file all or part of its 2007 DSM program proposal for approval by the Commission on or before October 2, 2006.

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VI. **Incentive**

3 The shareholder incentive mechanism applicable to Company DSM efforts in 2006 4

mirrors the incentive mechanism applicable to 2005 program year, which was approved

by the Commission in its bench decision of November 29, 2004. The shareholder

incentive mechanism will continue to include two components: (1) performance-based

metrics and (2) kWh savings targets by sector.

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A. **Performance Metrics**

The Parties have agreed to the inclusion of four performance-based metrics for 2006. These metrics include one that relates to the Residential sector, one that relates to the Small Business Services sector, and two that relate to the Large Business Services sector. Each of the proposed performance-based metrics is provided in Attachment 8. The Parties agree that the Company will have the ability to earn \$15,000 for each performance metric it successfully achieves in 2006 with an opportunity to earn a portion of the incentive for partially achieving goals as shown in Attachment 8. The total potential incentive for performance metrics is capped at \$60,000.

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Attachment 8 includes a framework for establishing the goals for the proposed metrics based on currently available information. The Company, with agreement of the Parties, will file with the Commission as part of the May True-up Filing a supplement to this Settlement that provides final goals for each metric. Finalizing the numeric performance targets at a later date will have no impact on the shareholder incentives established for these performance-based metrics. If the Parties are unable to reach agreement about the specific performance goals, the Company reserves the right to file recommended goals with the Commission for its approval by May 31, 2006.

B. kWh Savings

The Parties have agreed to retain a target incentive rate of 4.40% in 2006 applied to the eligible spending budget for 2006. The projected spending budget for 2006 is approximately \$16.7 million (see Attachment 9, page 1 of 2). Therefore, the total target incentive for 2006 is 4.40% of \$16.7 million, or \$733,932, as shown in Attachment 9, page 2 of 2. Of this total, \$60,000 will be the target incentive for the performance-based metrics and the remainder will be for the kWh savings target.

The threshold performance level for energy savings by sector will remain at 60% of the annual energy savings goal for the sector. The Company must attain at least this threshold level of savings in the sector before it can earn an incentive related to achieved energy savings in the sector. The Company will have the ability to earn an incentive for each kWh saved, once threshold savings for the sector are achieved, up to 125% of target savings. The incentive per kWh saved by sector is provided in Attachment 9 page 2 of 2.

The incentive cap on energy savings will be equal to 125% of the target incentive amount for energy savings. If the Company achieves this level of exemplary performance, Rhode Island consumers will realize additional savings. Given budget control requirements, this will provide the Company with an incentive to improve the efficiency of its program implementation efforts while providing Rhode Island consumers with value in excess of the incremental incentive that may be earned by the Company.

Attachment 9, page 1 of 2 provides the derivation of the eligible spending budget that is used to determine the amount of the incentive that the Company may earn if it is successful in achieving its goals for both energy savings and performance metrics. Attachment 9, page 2 of 2 provides a summary of the incentive related to

performance metrics and the incentive related to annual energy savings goals by sector. Energy savings goals by sector reflect the expected cost of savings in each sector informed by evaluation studies and have been adjusted to take into account changing rebate policies and the changing market being served. These goals have been carefully reviewed by the Collaborative to ensure that they represent reasonable and challenging goals for the year.

There are two circumstances that would necessitate the recalculation of the threshold, calculated cap, and incentive for a particular sector. First, if budgets are adjusted as a consequence of the Company's True-up filing in May 2006 (with Division or Commission approval, as appropriate), the threshold and incentive for the affected sectors will be adjusted as will each sector's incentive caps. Second, if the assumptions used to develop savings goals change as a result of completed evaluation studies, the Company will recalculate savings goals to account for those evaluation findings and will report actual savings on the same basis. None of these changes will affect the target incentive dollars associated with performance metrics. The Company will report program results compared to these revised budgets and goals in its Year-End Report regarding 2006 DSM Program efforts.

VII. Miscellaneous

A. Cost-Effectiveness

The Company has projected cost-effectiveness for the proposed 2006 programs using the benefit/cost test in place during 2005. Attachment 10 provides the calculation of 2006 program year cost-effectiveness and goals based on the proposed budgets. Attachment 10 shows that the proposed portfolio of programs is expected to have a benefit/cost ratio of 3.75 which means that \$3.75 in benefits is expected to be created for each \$1 invested in the programs.

The cost-effectiveness analyses of the proposed programs use updated avoided energy supply costs. These updated values were developed by ICF Consulting as part of a study that was sponsored by all electric DSM program administrators in New England and some gas program administrators as well. The new avoided energy supply costs are shown in Attachment 11. They reflect current and expected market conditions including upcoming changes in the structure of the New England capacity market, the extraordinary impact of Hurricane Katrina on fuel costs, and the effects of demand reduction attributable to DSM programs on market prices faced by all consumers, not just DSM program participants.

B. Reporting Requirements

The Company will provide quarterly reports to the Division and the Commission on the most currently available program performance. These reports will include a comparison of budgets and goals by program to actual expenses and savings on a year-to-date basis. The Company will provide to the Parties and file with the Commission its 2005 Year-End Report no later than May 1, 2006. The Company will provide to the Parties a summary of evaluation results together with a memorandum summarizing the impact of those results on Narragansett's 2005 programs no later than September 2006. The Company will report on 2006 metric results, achieved energy savings in 2006, and earned incentives in its Year-End Report for 2006, to be filed no later than May 1, 2007.

C. Other Miscellaneous Provisions

- 1. Other than as expressly stated herein, this Settlement establishes no principles and shall not be deemed to foreclose any Party from making any contention in future proceeding or investigation.
- 2. This Settlement is the product of settlement negotiations. The content of those negotiations is privileged and all offers of settlement shall be without prejudice to the position of any Party.

1	3. This Sett	element is submitted on the condition that it be approved in full by the
2	Commiss	sion, and on further condition that if the Commission does not
3	approve	the Settlement in its entirety, the Settlement shall be deemed
4	withdraw	on and shall not constitute a part of the record in any proceeding or
5	used for	any purpose.
6	4. Other tha	an as expressly stated herein, the approval of this Settlement by the
7	Commis	sion shall not in any respect constitute a determination as to the merits
8	of any is	sue in any other proceeding.
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10	The Parties respects	fully request the Commission approve this Stipulation and Settlement
11	as a final resolution	of all issues in this proceeding.
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15		Respectfully submitted,
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17		THE NARRAGANSETT ELECTRIC COMPANY
18		Choma Whole Laura S Olton (1602) 10/14/05
19		Laura S Oston (1602) 10/14/05
20		Thomas G. Robinson Date
21 22		Laura S. Olton, Esq.
23		RHODE ISLAND DIVISION OF PUBLIC UTILITIES AND
24		CARRIERS
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26		Wellen K. Truck 10/14/05
27		By its Attorney Date
28		William K. Lueker, Special Assistant Attorney General
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2006 RESIDENTIAL PROGRAMS

- 2 The Company proposes a comprehensive set of residential energy efficiency programs
- for implementation in 2006. Proposed program changes for 2006 are summarized in
- 4 Attachment 2.

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- 6 Significant program changes include the redesign of the ENERGY STAR Homes and Air
- 7 Conditioning programs based on a change in national standards and the addition of a
- 8 marketing campaign to inform customers about low cost energy efficiency actions they
- 9 can take. In addition, the Company is monitoring tax credits and other benefits that may
- be available to consumers in the state through the 2005 Energy Policy Act. The 2005
- 11 Energy Policy Act and each program proposed to be implemented in 2006 are discussed
- 12 below:

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2005 Energy Policy Act

- 15 Although final availability will be subject to the regulations released by the Internal
- Revenue Service, it appears that homeowners may be able to receive a tax credit of ten
- percent of cost up to \$500 for the installation in 2006 and 2007 of insulation and
- 18 ENERGY STAR windows, air conditioning, heat pumps, furnaces, boilers, and water
- 19 heaters. Customers who own multifamily buildings may be eligible for tax incentives
- 20 described in Attachment 4. High efficiency builders may receive an incentive of up to
- \$2,000 for a single-family home that is 50% better than the International Energy
- 22 Conservation Code and \$1,000 for ENERGY STAR manufactured homes. The
- 23 Company will provide information to customers and builders about these tax advantages.

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Residential Programs

- The Company is proposing to implement a broad range of energy efficiency programs for
- 27 its residential customers. These programs are designed to provide energy efficiency

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- opportunities to the diverse segments of residential customers in the state, including
- 2 homeowners and renters, low-income and moderate income consumers, and those
- 3 constructing new homes. These programs all include a component of consumer
- 4 education to help the customer to better understand how to control and manage energy
- 5 costs. The Residential programs planned for implementation in 2006 are described
- 6 below.

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1. EnergyWise Program

9 **Overview**

- 10 First offered in 1998, this program provides efficiency improvements in existing
- multifamily and single-family homes. It offers customers free home energy audits of
- their homes and information on their actual electric usage. Participants in this program
- 13 receive financial incentives for cost effective measures to replace inefficient lighting
- 14 fixtures, appliances, thermostats, insulation levels and windows with models that are
- more energy efficient.

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Eligible Population

- All residential customers in 1-4 unit buildings are eligible to participate. Multifamily
- 19 facilities of five or more units are eligible if they have not previously participated in the
- 20 program in the past five years. The Company proposes to serve 3,261 customers
- 21 (dwelling units) through the Energy *Wise* program in 2006.

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Program Design

- 24 The program is certified by the Environmental Protection Agency as a "Home
- 25 Performance with ENERGY STAR®" program. This allows the program to use the
- 26 ENERGY STAR name for marketing purposes, and ensures that the program meets high
- 27 health and safety standards. The energy audit looks at the house as a system, so that the

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1 customer can consider all energy efficiency measures as well as occupant health and

2 safety.

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4 The program is marketed through direct contact with interested customers and owners,

5 property owners' associations, bill inserts, customer newsletters, the Narragansett Electric

6 website and other methods. There is often a waiting list for multifamily program

services, though the program is usually able to serve customers within the year the

8 participation request is made.

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10 Eligible customers and/or building managers or associations receive a comprehensive

energy audit, energy education, and the installation of low cost efficiency measures (e.g.

12 hot water measures, air sealing for electrically heated buildings, compact fluorescent

lightbulbs) at no direct cost. The contractor puts major measures out to competitive bid

in facilities that have greater than twenty units. Major measures include lighting

upgrades, electric heat thermostats, replacement of inefficient refrigerators, heat pump

testing and upgrades, duct sealing and insulation for electrically heated buildings. The

Company will pay 75% of the cost of any needed insulation in electrically heated homes.

The Company will provide incentives of \$200-\$300 to encourage customers to replace

inefficient refrigerators. The Company does not require a co-payment for lighting

installed in the living units of multifamily buildings in order to avoid lost opportunities.

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The program also offers low interest loans for customers who live in one to two unit

facilities to install additional weatherization, including insulation, and ENERGY STAR

windows and doors. These loans are available to customers with homes heated by

electricity, oil, propane, and wood, regardless of their level of electric use.

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- The Company will make an up-front payment to write down the interest on an unsecured
- 2 loan. It will plan to provide funds to lower the interest rate to approximately two percent.
- 3 The Company may adjust the loan rate during the year to respond to market conditions
- 4 and customer demand. The participating bank will determine loan approval.

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- 6 The EnergyWise program also services Public Housing Authority properties and other
- 7 low income multifamily buildings. Depending on income eligibility of the tenants, co-
- 8 payments may be reduced or waived for these larger facilities. If the facility is 50% or
- 9 more low income, co-payments are waived on all measures except refrigerators. There is
- 10 no copayment required on any measure for Public Housing Authorities or other low
- income state and federally funded facilities. Elderly housing projects are eligible to
- participate through the EnergyWise program and many have participated. Over the last
- three years, Narragansett Electric has served about 7,000 low income dwelling units
- through the Energy *Wise* program.

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- Low Income customers living in 1-4 unit buildings will be served by the Single Family
- 17 Low Income Services Program described below.

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2. Single Family Low Income Services

Overview

- 21 Electric and heating bills are typically a big burden to low income customers, who often
- 22 pay a high percentage of their income to cover these bills. Customers who are unable to
- pay are at great risk for shut-off of services. All customers bear these costs through
- 24 paying for collection and shut-off visits and the write off of bad debt. Efforts to lower
- 25 energy bills for low income customers benefit them directly and all ratepayers indirectly.

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Eligible Population

- 2 Customers who are eligible for the Low Income Heating Assistance Program (LIHEAP)¹,
- also known as fuel assistance, and live in 1-4 unit buildings, are eligible for this
- 4 program². There is no co-payment requirement. Over the last three years, Narragansett
- 5 Electric has served about 2100 low income dwelling units through single family low
- 6 income program offerings. The Company proposes to serve 967 customers (dwelling
- 7 units) in 2006.

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- 9 The Collaborative and Company want customers who have difficulty paying their electric
- bills to receive assistance from the energy efficiency programs. While the average
- savings of \$100 per year through the electric measure component of the program may not
- be enough to help these customers avoid shut-off, it will certainly provide some
- assistance and increased control of electric usage. The Collaborative and the Company
- believe the targeted approach described below is the best way to reach these at risk
- 15 customers.

- In 2006, the Company will continue to work with the State Energy Office (SEO) to offer
- services to low income customer addresses where shut-offs have occurred. In 2005, the
- 19 Company identified approximately 1,400 addresses where shut-offs have occurred and
- 20 electric usage was at least 10 kWh per day in the non-heating months. The Company
- 21 provided electronic mailing lists and labels for outreach to these customers and the local
- 22 agencies contacted the customers. Depending on the area, about ten to fifteen percent of
- 23 customers contacted requested services through the program. For 2006, the Company

¹The federal government has set an income level, tied to the median income of each state, which defines the uppermost income boundary for LIHEAP participation. Individual states have some flexibility in defining income eligibility as long as it is not set above the federally defined maximum. Eligibility in this program will track the eligibility for LIHEAP set by the State of Rhode Island.

² In previous years, this program was known as the Appliance Management Program (AMP).

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- will provide an updated list and encourage local agencies to make follow-up outreach
- 2 phone calls to targeted customers.

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Program Design

- 5 The Company contracts with the Rhode Island State Energy Office (SEO) and local
- 6 weatherization agencies for the delivery of energy efficiency services to eligible
- 7 customers.

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- 9 The agencies delivering program services focus on both electric energy efficiency
- opportunities and selected non-electric energy efficiency opportunities. Electric measures
- are identified through a comprehensive review of the customer's electric bill, existing
- appliances, and electric use patterns. The Single Family Low Income Services Program
- provides for the installation of ENERGY STAR refrigerators and lighting, and cost-
- 14 effective custom measures to replace inefficient equipment and help lower customers'
- electric bills. In addition, the Company installs electric water heating energy efficiency
- measures at no cost for participating customers.

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- 18 The Company also funds weatherization work for these customers in one to four unit
- 19 homes where the primary heating fuel is electricity, oil, propane or wood. This funding
- supplements federal dollars received by the State Energy Office for weatherization work.
- In 2005 the Company also began to fund oil heating system replacements through the
- SEO and plans to continue this in 2006.³ The new heating systems are required to meet
- 23 Federal weatherization program guidelines and have an Annual Fuel Use Efficiency
- 24 (AFUE) of at least 80%. The Company proposes to continue to work with local
- 25 Community Action Agencies and the SEO to provide no-cost services to income eligible
- customers in 1-4 unit facilities.

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³ Natural gas-fired systems are not eligible for replacement under this program. There are other programs, including those sponsored by natural gas companies, that cover gas-fired systems.

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- 2 The program is marketed through direct contact with eligible customers. One marketing
- 3 effort consists of contacting, by mail and/or telephone, customers subscribing to
- 4 Narragansett Electric's low income rates who have not previously received program
- 5 services. Another important marketing focus is direct marketing by the SEO and local
- 6 CAP agencies to customers it serves through state, federal, or local low income programs.
- 7 The Company will develop marketing materials in Spanish for 2006, and will consider
- 8 development of materials in other languages.

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Low Income Services through the Energy Wise Program

As noted above the EnergyWise Program also services Public Housing Authority properties and other low income multifamily buildings. Depending on income eligibility of the tenants, co-payments may be reduced or waived for these larger facilities. If the facility is 50% or more low income, co-payments are waived on all measures except refrigerators. There is no co-payment required on any measure for Public Housing Authorities or other low income state and federally funded facilities. Elderly housing projects are eligible to participate through the EnergyWise Program and many have participated. Over the last three years, Narragansett Electric has served about 7,000 low income dwelling units through the EnergyWise Program.

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21

Low Income participation in the ENERGY STAR Homes Program

- 22 The Company works closely with the Rhode Island Housing and Mortgage Finance
- 23 Corporation ("Rhode Island Housing")⁴ and developers of affordable housing in Rhode
- 24 Island to encourage participation in the ENERGY STAR Homes program. Currently
- 25 Rhode Island Housing encourages developers to build to ENERGY STAR Home

⁴ Rhode Island Housing's mission is "to assist Rhode Islanders who, by reason of income, special need or circumstance, are unable to fairly obtain and sustain a healthy, affordable home." CITATION NEEDED

- standards. About 30% of the homes completed each year through the ENERGY STAR
- 2 Homes program are for low income families.

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4

National Green Communities Initiative

- 5 The Company also plans to continue to work with Rhode Island Housing and the Rhode
- 6 Island State Energy Office to support Rhode Island's participation in the National Green
- 7 Communities Initiative. The Enterprise Foundation describes the National Green
- 8 Communities Initiative at its website, <u>www.enterprisefoundation.org/resources/green</u>, as
- 9 follows:

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Green Communities is a five-year, \$555 million initiative to build more than 8,500 environmentally healthy homes for low-income families. Created by the Enterprise Foundation / Enterprise Social Investment Corporation in partnership with the Natural Resources Defense Council, Green Communities will transform the way America thinks about, designs, and builds affordable communities. The initiative provides grants, financing, tax-credit equity, and technical assistance to developers who meet Green Communities criteria for affordable housing that promotes health, conserves energy and natural resources, and provides easy access to jobs, schools,

20

- 21 The table below summarizes the Company's history in serving low income customers and
- proposed low income services for 2006.

and services.

As such, they have some influence in many of the arenas that are targeted by the Company's low income services programs.

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Projected Low-Income Participation in 2006 Programs and Participation History

Program	2006 projected participants	Percentage of Total Participants	Number of low income participants 2002-2004
Single Family Low Income Services	967	100%	2,106
EnergyWise	489	15%	6,939
ENERGY STAR Homes	200	40%	247

4 5

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Projected Low-Income Expenditures in 2006 Programs and Expenditure History

Program	2006 Proposed	Percentage of Total	Low Income
	Low Income	Budget	Spending for years
	Expenditures		2002-2004
Single Family Low	\$1,684,400	100%	\$2,392,327
Income Services			
EnergyWise	\$242,000	15%	\$2,270,377
ENERGY STAR	\$400,000	40%	\$619,508
Homes			

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3. ENERGY STAR® Appliances

Overview

- ENERGY STAR® is the national program sponsored by the United States Department of
- 12 Energy and the Environmental Protection Agency to promote energy efficient products to
- help reduce energy use and prevent air pollution. Energy efficient choices can save
- families about a third on their energy bill with similar savings of greenhouse gas
- emissions, without sacrificing features, style or comfort.

- 17 This program is part of a regional joint effort by utilities and energy efficiency
- organizations to encourage the purchase of ENERGY STAR rated major appliances.
- 19 These appliances include clothes washers, dishwashers, refrigerators, dehumidifiers, and

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- 1 room air conditioners (RAC). Manufacturers build their products to meet or exceed
- 2 energy efficiency performance specifications established by ENERGY STAR. Together
- with manufacturers, local retailers, the DOE, and EPA, the Company works to help
- 4 identify and promote the purchase of these high efficiency appliances to its customers.

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Eligible Population

- 7 All residential customers are eligible to participate. The Company proposes to serve
- 8 about 5,800 customers in 2006.

9

10 **Program design**

- The program provides retailer support, training, advertising, consumer education, codes
- and standards review and advocacy, and manufacturer labeling. For 2006 the Company
- 13 proposes to continue to provide consumer education on these products and continue to
- offer rebates for ENERGY STAR clothes washers and room air conditioners. The
- 15 Company proposes to lower the year round clothes washer rebate from the \$35 offered in
- 16 2005 to \$25 in 2006. The Company proposes to continue the room air conditioner rebate
- of \$20. Company efforts to encourage customers to purchase ENERGY STAR clothes
- washers over the past few years have been successful, so the rebate amounts can be
- 19 lowered. These rebates may be adjusted to ensure coordination with regional and
- 20 national program efforts and to reflect changing Rhode Island market conditions. The
- 21 Company will coordinate with the regional Northeast Energy Efficiency Partnerships
- 22 (NEEP) efforts to work directly with manufacturers and retailers to provide additional
- 23 matching rebates, cooperative advertising and other program enhancements.

- 25 An important part of the program is educating customers about ENERGY STAR. The
- 26 Company sponsors media advertising that promotes ENERGY STAR and specific
- 27 ENERGY STAR promotions. In 2005, the Company promoted ENERGY STAR on
- 28 Radio Disney Channel and during Providence College Basketball games on WSKO-FM

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- 1 99.7. The Company also promoted the Lowe's Turn-In event in the Providence Journal.
- 2 Additionally, the retail stores are an integral channel for promoting ENERGY STAR.
- 3 The Company prints and distributes a wide variety of point-of-purchase materials and
- 4 signs for display in retail stores. The Company also supports cooperative advertising
- 5 with retailers in various print and newspaper channels. The Company also develops
- 6 media stories and public relations opportunities about ENERGY STAR.

7

- 8 A nationwide study of consumers' awareness of ENERGY STAR labeling is conducted
- 9 annually. The most recent study, conducted in 2004, indicates that the existence of utility
- sponsored programs increases the awareness of ENERGY STAR products. National
- recognition of the ENERGY STAR label in high-publicity areas (areas with an active
- local ENERGY STAR program sponsored by a utility, state agency, or other organization
- for two or more continuous years) was 55% compared to 31% in low-publicity areas.
- When the ENERGY STAR label is shown, the aided recognition in high-publicity areas
- rises to 74% and in low-publicity areas the value increases to 54%. Overall, there was an
- increase in both unaided (8%) and aided (8%) recognition of the ENERGY STAR label
- 17 compared to 2003 survey results The Company will inform the Collaborative about
- 18 future awareness study results.

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4. ENERGY STAR® Heating Program

Overview

- 22 A typical residential customer spends approximately 44% of his or her energy budget on
- 23 heating and cooling. To address heating costs, the ENERGY STAR Heating Program
- 24 provides funding to the Rhode Island State Energy Office to offer ENERGY STAR
- 25 heating system rebates.

26

Eligible Population

- 2 Residential customers who purchase ENERGY STAR Heating Systems fueled by oil in
- their existing home are eligible to participate in this program. The Company proposes to
- 4 serve about 480 customers in 2006.

5

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Program Design

- 7 The Company will continue to provide funding to the Rhode Island State Energy Office
- 8 to offer incentives to customers who purchase ENERGY STAR Heating Systems that are
- 9 fueled by oil. The SEO markets the program through newspaper articles, contact with
- 10 heating equipment contractors, and word of mouth. Most contractors install heating
- equipment with an Annual Fuel Utilization Efficiency (AFUE) of 80% or less. In order
- to encourage higher efficiency and positively reinforce market changes, the Company
- proposes to reduce the rebate in 2006 for ENERGY STAR heating systems to \$200 and
- to continue the \$25 incentive for contractor installed ENERGY STAR setback
- thermostats. The efficiency requirements are an Annual Fuel Use Efficiency Rating
- 16 (AFUE) of at least 90% for forced hot air systems, at least 85% for forced hot water
- systems, and at least 82% for steam systems.

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5. ENERGY STAR® Central Air Conditioning Program

Overview

- As noted previously, a typical residential customer spends approximately 44% of his or
- her energy budget on heating and cooling. To address cooling costs, the ENERGY STAR
- 23 Central Air Conditioning Program provides funding to offer ENERGY STAR central air
- 24 conditioning system rebates.

- In 2002, the Company participated in a joint study of HVAC market conditions and
- 27 efficiency potential in Rhode Island, Connecticut, and Massachusetts. The study

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- 1 identified several key target markets including residential customers who are in the
- 2 market to purchase central air conditioning (AC) or heat pump systems, residential
- 3 customers with existing air conditioning systems, and HVAC technicians responsible for
- 4 servicing and installing this equipment. The market research estimates that
- 5 approximately 4,200 Rhode Island customers are purchasing replacement or new central
- 6 air conditioners each year. Recent customer surveys by the Company indicate that about
- 7 23% of Rhode Island residences, or about 95,000 customers, have central air
- 8 conditioning.

9

- 10 The market research documented that energy savings opportunities exist due to the
- improper design and installation practices of residential AC contractors. Inadequacies
- documented include over-sizing of systems overall, undersizing of the air distribution
- 13 system, failure to obtain proper refrigerant charge, and inadequate duct sealing.
- 14 Significant savings are also available from existing air conditioning systems in
- 15 customers' homes, where the same conditions of improper refrigerant charge and airflow
- are common.

17

18

Eligible customers

- 19 Any residential customer installing, servicing or replacing a central air conditioning or
- 20 heat pump system in an existing home is eligible to participate. Incentives for ENERGY
- 21 STAR heating and cooling are included in the ENERGY STAR Homes program for new
- 22 construction. The Company plans to decrease funding due to fewer equipment rebates
- but expand the scope of program measures and proposes to serve 400 customers in 2006.

- 25 Fewer equipment rebates are anticipated because the ENERGY STAR specification and
- the Federal standard for manufacturing central air conditioning systems are changing to
- 27 require 13 Seasonal Energy Efficiency Ratio (SEER) as of January 23, 2006. The current
- 28 requirement is 10 SEER.

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2

Program design

- 3 The Company began the program in the fall of 2002. The Company has provided
- 4 rebates of \$370 and \$550 to customers for properly installed ENERGY STAR central air
- 5 conditioning and heat pump systems in existing homes in 2003 throughout 2005.

6

- 7 In 2006 the Company proposes three tiers of equipment incentives with a modest
- 8 incentive corresponding to the first tier to match the proposed ENERGY STAR
- 9 specification level of 14 SEER with 11.5 EER and 8.2 HSPF for heat pumps. Rebate
- levels and equipment tiers are still under discussion in the region. The Company plans to
- offer rebates that are consistent with those offered throughout the region. The following
- is a summary of the Company's proposed tiers and rebate levels, which are still subject to
- change:

- A. Incentives for system sizing and the installation of new equipment that has the
- documented proper measured charge relative to the system's air flow of \$150
- to the contractor and \$50 to the customer. The contractor incentive was \$100
- in 2004 and 2005, but in 2006 the Company will transfer responsibility for the
- 19 costs of 3rd party verification to contractors.
- B. Incentives of "digital tune-ups" of existing equipment that has the proper
- 21 measures charge relative to the system's airflow of \$75 to the contractor and
- \$50 to the customer.
- C. Customer incentives for new high efficiency equipment:
- 1. \$150 for ENERGY STAR with SEER 14 and EER 11.5-
- 25 11.99 and HSPF of 8.2
- 26 2. \$300 for SEER 14 and EER >= 12
- 3. \$450 for SEER 15 and EER >= 12.5 and HSPF of 8.5

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- 2 A new component proposed for 2006 is the inclusion of incentives to customers in
- 3 existing homes to have their central air conditioning equipment tuned up. The Company
- 4 plans to work with the Collaborative to finalize rebate levels and the program design.

5

- 6 The Company has focused its efforts on both customer education and outreach via bill
- 7 inserts, fact sheets, and targeted mailings to high users in summer months; contractors'
- 8 education and outreach via phone calls, mailings, one-on-one meetings, trainings on
- 9 technical issues, usage of sizing software, and up-selling to high efficiency equipment;
- and working closely with contractors to encourage participation in the program and
- installing the air conditioning systems properly.

12

13

- Although new central air conditioning equipment that is properly sized and operating is
- 14 critical to the energy efficiency of the equipment, HVAC technicians do not, as a
- standard practice, perform all the needed calculations and tests. The Company has
- assisted technicians by providing hands-on training and technical support on third party
- verification of charge and airflow of systems.

18

- In 2006, the Company proposes to continue activities to educate customers and
- 20 contractors, to promote installation quality, and to offer the third party verification of the
- 21 results for central air conditioning tune-ups, including incentives for customers and
- 22 contractors.

23

24

6. ENERGY STAR® Lighting

25 **Overview**

- 26 This program is designed to support the development, introduction, sales, promotion, and
- use of ENERGY STAR residential lighting products. The Company has provided rebates

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- and actively promoted energy efficient residential lighting since 1991. In 1998,
- 2 Narragansett Electric joined with other electric utilities in the region through the
- 3 Northeast Energy Efficiency Partnerships (NEEP) to offer a common residential lighting
- 4 program to its customers.

5

6

Eligible Customers

- 7 All residential customers are eligible to participate in this program. The Company
- 8 proposes to serve approximately 64,000 customers. While this program has been
- 9 available for a number of years, there are still significant opportunities to encourage
- 10 customers to use ENERGY STAR lighting. An evaluation study conducted in
- 11 Massachusetts in 2003 found that 7% of all sockets are filled with Compact Fluorescent
- Lighting (CFL), indicating that a large market potential for energy efficient lighting still
- exists in customer homes. The Company believes the penetration of CFLs in Rhode
- 14 Island is similar to the penetration in Massachusetts.

15

16

Program Design

- For 2006, the Company proposes to continue offering its residential lighting program as
- part of the regional joint efforts. The program offers customers the opportunity to
- 19 purchase compact fluorescent bulbs (CFL) and fixtures at substantial discounts.
- 20 Customers have several options for program participation, including redeeming instant
- 21 rebate coupons for qualifying products purchased in participating retail stores, purchasing
- reduced price products at retailers where the manufacturer has received a rebate from the
- 23 Company and passed on the discount directly to retailers and consumers, using the mail
- order catalog, and making website purchases.

- 26 The Company will continue to work with manufacturers and retailers to offer a good mix
- of standard, innovative, and specialized CFL product. CFL rebates will be offered in the
- \$1 \$4 range, depending on the style and technology of the bulb (standard, dimmable, 3-

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- way, etc.). As described above for ENERGY STAR appliances, the Company will work
- 2 with NEEP to solicit proposals from manufacturers and retailers for short term
- 3 promotions including special events, new product launches, and cooperative advertising.

4

- 5 The Company has found that the "Negotiated Cooperative Promotions" (NCPs) through
- 6 NEEP are an excellent way to lower rebate costs and encourage retailers and
- 7 manufacturers to pay for marketing and promotion through their regular channels. Active
- 8 promotions in 2005 have included retailers: Building 19, Rocky's, Benny's, Walgreens,
- 9 Ann & Hope Dollar Store, and Salk's Ace Hardware. Manufacturers who have
- participated in Negotiated Cooperative Promotions include: General Electric, Osram
- Sylvania, Lights of America, TCP, Maxlite, Feit, Harmony, Good Earth, Greenlite, and
- Reusable Technologies. For 2006, the NEEP sponsors are planning to issue separate
- NCPs for CFLs and fixtures in order to better meet the needs of fixture market and
- 14 manufacturers.

- 16 The Company proposes to continue rebates for ENERGY STAR fixtures and torchieres.
- 17 Rebates will be \$10 for exterior fixtures and \$15 for interior fixtures, table lamps,
- torchieres, and floor lamps. The rebates proposed are the same as 2005. The Company is
- 19 researching whether additional rebate dollars should be available for multi-socket
- 20 fixtures. Rebates on fixtures and bulbs may be adjusted to ensure coordination with
- 21 regional and national program efforts and to reflect changing Rhode Island market
- 22 conditions. The Company will also continue to work directly with lighting showrooms to
- 23 encourage the promotion of high efficiency, high fashion residential CFL fixtures. The
- 24 Company will continue to support local retailers with promotional materials (signs,
- coupons, displays) training, and regular sales visits

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7. ENERGY STAR® Homes

Overview

- 4 The ENERGY STAR Homes Program is part of the national energy efficiency campaign
- 5 first developed in 1998 by the Environmental Protection Agency (EPA) and United States
- 6 Department of Energy (DOE). Rhode Island was one of the first states to adopt this
- 7 program. The homes are designed, site inspected, and performance-tested to achieve a
- 8 home energy rating which helps consumers differentiate between efficient homes and
- 9 standard homes.

10

- In response to significant changes in the field of residential energy efficiency
- construction, the EPA proposed a new specification for the ENERGY STAR Homes
- Program in February 2005. Many parties across the nation, including Narragansett
- 14 Electric, have participated in commenting and refining this proposal. The EPA just
- released the final new ENERGY STAR Qualified Homes guidelines on September 30,
- 16 2005 for implementation in 2006.

- The Company will offer the new ENERGY STAR Homes program in 2006. Since the
- 19 guidelines were released so recently, by the EPA, the Company cannot provide a final
- 20 program description. The Company is working with utilities and energy efficiency
- 21 program administrators throughout New England to develop new program guidelines and
- 22 rebate levels. The Company will present these to the Collaborative for discussion and
- 23 finalization. At the Commission's request, the Company will provide the Commission
- with a fuller description once it is available.

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Eligible Population

- 3 Anyone building a home in Rhode Island can participate, regardless of type of heating
- 4 fuel. The Company plans to serve 500 customers through this program in 2006. Many of
- 5 the homes completed in 2006 will receive rebates based on the Company's 2005 program
- 6 guidelines or those of previous years, because agreements were signed at that time.

7

8 **Program Design**

- 9 The new 2006 ENERGY STAR Homes criteria will be more stringent than the current
- program. The entry level of the new program will be equivalent to the current program's
- Home Energy Rating Score (HERS)⁵ of 88, two points above the current entry level of
- HERS 86. The new program will also require a significant improvement in the tightness
- of heating and cooling ductwork, far tighter than current market practice.

14

- 15 The new 2006 ENERGY STAR guidelines feature two paths toward ENERGY STAR
- Homes certification. The first path is called the "Performance Path" in the new national
- 17 ENERGY STAR Homes guidelines, which continues to certify ENERGY STAR Homes
- and provide rebates based on a new homes' HERS score. The Company plans to offer
- this certification path to builders in its 2006 programs, The Company will provide
- 20 higher rebates for higher HERS scores. The second path is called Builder Option
- 21 Packages (BOPs). Nationally, new homes can be certified as ENERGY STAR through
- 22 prescriptive BOPs approved by the EPA. The Company will examine how to include
- BOPs in the Rhode Island program if appropriate.

- In the short term, the program may lose some builder participation because of the
- 26 required higher standards. Narragansett Electric will provide training and technical

⁵ The Home Energy Rating Score or HERS is a standard nationally recognized measurement of energy efficiency on a scale from one to one hundred.

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- assistance to builders to help them meet these standards. Additionally, in order to help
- 2 builders with the program transition, the Company plans to offer rebates for specific
- 3 energy measure upgrades including duct sealing, high efficiency furnaces, blower door
- 4 verified air tightness and mechanical ventilation, high efficiency air conditioning, and
- 5 lighting upgrades.

6

7

Low Income participation in the ENERGY STAR Homes Program

- 8 The Company works closely with Rhode Island Housing and developers of affordable
- 9 housing in Rhode Island to encourage participation in the ENERGY STAR Homes
- program. Currently Rhode Island Housing encourages developers to receive ENERGY
- STAR Home certification. About 30% of the homes completed each year through the
- 12 ENERGY STAR Homes program are for low income families. The Company also plans
- to continue to work with Rhode Island Housing and the Rhode Island State Energy Office
- to support Rhode Island's participation in the National Green Communities Initiative.
- 15 This initiative was briefly described on page 8. More information about this initiative is
- 16 available at the Enterprise Foundation website
- 17 (www.enterprisefoundation.org/resources/green).

18

19

8. Energy Efficiency Educational Programs

20 Overview

- 21 All the residential energy efficiency programs include customer education as a primary
- 22 element of the program design. In addition, the Company also sponsors educational
- 23 programs for children and young adults who are among Rhode Island's future ratepayers,
- 24 builders, and contractors. The budget for educational programs includes three
- 25 components described below, including a new component that provides general education
- to all customers about low cost energy efficiency actions they can take.

Eligible Population

- 2 The first two energy efficiency educational initiatives are targeted toward students. All
- 3 residential customers can benefit from the public education initiative.

5 **Program Design**

6 The three programs are described in detail below.

7

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a) National Energy Education Development (NEED) Project

- 9 The National Energy Education Development (NEED) Project is a nonprofit education
- association that works with thousands of schools nationwide to promote an energy
- conscious education. NEED is a strategic partner of Rebuild America and EnergySmart
- 12 **Schools**, programs of the U.S. Department of Energy. NEED creates networks of
- students, educators, and business, government and community leaders to design and
- 14 implement objective energy education programs. The Rhode Island EnergySmart
- 15 Schools program includes educational materials for kindergarten to twelfth grade which
- provide comprehensive, objective information about energy production and consumption,
- the major energy sources, and their impact on the environment, economy, and society.
- Services offered include kits and curriculum for students from kindergarten through high
- school, student/teacher training programs, workshops, and conferences, a summer camp
- 20 program, scholarships to national energy educational conferences, and youth awards.

21

22

b) ENERGY STAR Homes Vocational Schools Initiative

- 23 The Company currently works with all nine Rhode Island Career and Technical schools
- on this initiative: Chariho, Coventry, Cranston, Davies, East Providence, Hanley,
- Newport, Warwick, and Woonsocket. It provides training to vocational school students
- on building ENERGY STAR homes. These homes are then sold as affordable housing.

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- 2 Originally, only Woonsocket and Warwick were participating in the program. In the past
- year, the other schools were encouraged to participate in cooperation with the Skill USA
- 4 national competition for vocational schools. Working with the Woonsocket Area Career
- 5 and Technical Center, the Community College of Rhode Island, and the Rhode Island
- 6 Builders Association, the Company sponsored a Rhode Island Energy Efficient Building
- 7 Competition to help students improve performance in the national competition. In
- 8 preparation, on-site training was provided at all schools on energy efficient building
- 9 practices. The Company will continue this outreach effort because it will improve
- 10 Rhode Island's energy efficiency for years to come.

11

12

c) Public Education Initiative

- During 2006, the Collaborative will discuss whether and how to continue the Company's
- public education effort to promote energy conservation during times of high energy costs.
- 15 This may include continuing the Company's 2005 advertising campaign to educate
- customers about low cost steps they can take to lower their electric bills and giving
- 17 customers a contact number and/or website to get more information about energy
- efficiency programs and additional low cost energy saving tips.

SUMMARY OF PROPOSED CHANGES TO RESIDENTIAL PROGRAMS FOR 2006

Program	Changes	
Energy Wise	 Reduce refrigerator incentives from \$100-\$450 depending on size to \$200-\$300 Allow customers to participate if they haven't participated in last five 	
	years (in 2005 was ten)	
	May adjust the interest rate on the loan depending on actual costs	
	Coordination with tax incentives from 2005 Energy Policy Act	
Low Income	• Continue replacing inefficient oil heating systems as was added to May 05	
Services	True-Up filing	
ENERGY STAR®	• Decrease Clothes Washer rebate from \$35 to \$25	
Appliances	No equipment turn-in events proposed for 2006	
	Coordination with tax incentives from 2005 Energy Policy Act	
ENERGY STAR	• Reduce incentives from \$300 to \$200 per furnace or boiler replaced with	
Heating	high efficiency model	
	Coordination with tax incentives from 2005 Energy Policy Act	

Program	Changes
Cool Change ENERGY STAR Central Air	 New Federal standards require all AC split systems manufactured after 1/23/06 to achieve SEER 13 New ENERGY STAR standards will not be in place until January 2006 at the earliest, will likely be SEER 14 and EER of 11.5
Conditioning and Heat Pumps	• End the rebate of \$370 for SEER 13 EER 11 equipment
	 The Company plans to offer rebates that are consistent with those offered throughout the region. The following is a summary of the Company's proposed tiers and rebate levels, which are still subject to change: Add a Rebate of \$150 for SEER 14 and EER 11.5 Decrease the Rebate of \$550 to \$300 for SEER 14 and EER 12 Add Rebate of \$450 for SEER 15+ and EER 12.5 Shift costs and procurement responsibility to contractor for third party verification tool while increasing contractor incentive for correct installation from \$100 to \$150 Add contractor incentive of \$75 for correct tune-up of existing systems Add a Customer Incentive of \$50 for proper charge with respect to air flow in either new or existing systems Coordination with tax incentives from 2005 Energy Policy Act
ENERGY STAR Lighting	 Increase rebates for high lumen output fixtures Separate Negotiated Cooperative Promotion solicitation for fixtures and lightbulbs
Energy Efficiency Educational Programs	 End sponsorship of Radio Disney program Add educational campaign for all customers
ENERGY STAR Homes	 Coordination with tax incentives from 2005 Energy Policy Act New National Program requirements for new participants New regional rebate levels, which will be developed in late 2005

1 2	2006 SMALL BUSINESS SERVICES PROGRAM
3	Overview
4	For almost ten years, this program has provided direct retrofit installation of energy
5	efficient lighting, refrigeration, and other energy efficient measures to small commercial
6	and industrial customers.
7	
8	Eligible Population
9	Any customer with an average monthly demand of less than 200 kW or annual energy
10	usage of less than 483,600 kWh is eligible for this program.
11	
12	Program Design
13	The Small Business Services Program offers incentives for the installation of energy
14	efficient fluorescent ballasts, lamps, and fixtures; hard-wired and screw-in compact
15	fluorescent systems; high intensity discharge systems; occupancy sensors; programmable
16	thermostats; hot water tank insulation wraps; hot water pump time clocks; and
17	refrigeration measures such as evaporator fan controls, efficient evaporator fan motors,
18	automatic door closers and door heater control devices for walk-in coolers. The
19	Company arranges the equipment purchase through a material vendor and installation
20	with an administrative contractor. Starting in 2004 the Small Business Program was
21	expanded to create broader program depth and appeal to customers by offering the
22	potential to deliver more comprehensive energy efficiency opportunities. This expansion
23	provided customers the benefit to build on their potential energy savings by examining a
24	broader array of energy efficient opportunities outside the current available measures.
25	
26	The Rhode Island State Energy Office (SEO) funds a fossil fuel system efficiency service
27	that is provided by the Company's labor vendor and is "piggy backed" with the delivery

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Similarly, the Company will consider 1 of the Small Business Services Program. 2 coordinating referrals with the local gas distribution companies if they are offering any 3 additional efficiency services. 4 5 The SEO is also offering an Energy Services Company (ESCO) initiative to encourage 6 efficiency improvements in Rhode Island's commercial facilities. The Company intends 7 to support the delivery of this service by coordinating its Energy Initiative program 8 services with the ESCOs as they develop technical assessments for these customers. 9 Where there is an overlap in services provided by the Small Business Services Program 10 (among 100 to 200kW customers), the Company will coordinate through its vendor(s) to 11 avoid duplicate marketing efforts. Customers in the 100 kW to 200 kW range who 12 participate in the ESCO program and receive Energy Initiative rebates will be counted as 13 Energy Initiative participants. 14 15 Most rebates cover 75% of both labor and material costs. Customers may finance the 16 remainder for up to 24 months interest-free through their electric bill. If customers pay 17 their portion up front, they receive a 15% discount off the amount due. 18 19 In 2006, the Small Business Services program will continue to offer a broad selection of 20 comprehensive measures. While potential for significant energy savings in small 21 business rests on improving lighting energy use, the proposed improvements to the 22 program support more comprehensiveness in customers' facilities and build on the 23 experience gained from delivering these services in prior years. These additional energy 24 efficiency measures will include but not be limited to non-prescriptive lighting measures, 25 motor and drive power improvements and other custom energy efficiency opportunities.

2006 LARGE BUSINESS SERVICES PROGRAMS

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3

1

1. Design 2000plus

4 Overview

- 5 Offered to commercial and industrial customers since 1988, Design 2000plus encourages
- 6 energy efficiency in new construction, renovations, remodeling, and replacement of
- 7 failed equipment through financial incentives and technical assistance to developers,
- 8 customers and design professionals. Financial incentives reduce the cost barrier to
- 9 investing in efficiency. Technical assistance reduces barriers to more efficient design by
- providing education to participants in the use of energy-efficient engineering practices.

11

12

Eligible Population

- Design 2000*plus* is available to all non-residential customers, but is generally appropriate
- 14 for customers with more than 100 kW in demand¹. It is available for new construction
- and remodeling projects such as a new building, expansion or renovation of an existing
- building, change in the use or function of the building space, new equipment for a new
- 17 process or expanded operation, replacement of failed equipment, or planned replacement
- 18 of equipment.

19

20

Program Design

- 21 Design 2000*plus* provides technical consulting and incentives for the installation of many
- 22 different kinds of energy efficient equipment and systems. Energy efficiency measures
- 23 which are eligible for incentives include premium efficiency lighting, motors, variable

¹ The increase in the ceiling for Small Business Services program eligibility to 200 kW is not expected to impact the Design2000*plus* program, since this program focuses on lost opportunity measures, rather than retrofit measures.

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- speed drives, heating, ventilating and air conditioning systems (HVAC), refrigeration,
- 2 industrial process, compressed air, and process cooling.

3

- 4 There are three specific types of incentives. (1) Prescriptive incentives are fixed and
- 5 address a single electric efficiency improvement in operations such as lighting, motors
- 6 and HVAC. High efficiency alternative equipment and systems are offered to customers
- 7 on a per unit basis. (2) Custom incentives are based on the unique energy savings criteria
- 8 of a project. (3) Comprehensive incentives are based upon evaluation of the whole
- 9 building and the benefits that come from examining an integrated engineering approach.
- 10 In general, incentives are designed either to cover 60 to 75% of the incremental cost
- between standard and premium efficiency equipment and systems or to buy down the
- 12 cost of equipment to the customer to a one and a half year payback, whichever is less.
- 13 For Comprehensive Design Approach and Comprehensive Chiller projects, incentives
- cover 90% of the incremental cost or buy the cost of the equipment and systems down to
- a one year payback, whichever is less.

16

- 17 The Company markets Design 2000*plus* through extensive personal communication by
- 18 account managers with customers, vendors, contractors, design professionals and,
- 19 seminars, training sessions and other direct marketing approaches. For 2006 the
- 20 Company proposes to build on this marketing effort by implementing a broader
- 21 communications plan to customers to underscore the value of implementing energy
- 22 efficiency solutions in their facilities to control their electricity costs and reduce their
- 23 building operating costs.

24

- 25 The proposed changes to the Design 2000plus program for 2006 are shown in
- Attachment 5.

1 T	ax Title	Provisions	in the	Federal	Energy	Policy	Act of 2005
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- 2 The Federal Energy Policy Act of 2005 provides some tax incentives to businesses
- 3 building new or renovating existing buildings. The new law provides a tax deduction of
- 4 up to \$1.80 per square foot for buildings where energy use is reduced by 50 percent
- 5 relative to the requirements of the 2001 new construction standards developed by the
- 6 American Society of Heating, Refrigeration, and Air-Conditioning Engineers (ASHRAE
- 7 90.1-2001). The new law also allows building owners of new and existing buildings to
- 8 earn a partial deduction of \$0.60 per square foot for each system (envelope, lighting or
- 9 HVAC) that is 50 percent more energy efficient relative to ASHRAE 90.1-2001.
- 10 Implementation regulations are now being developed by the U.S. Treasury Department
- with input from the U.S. Department of Energy.

12

- 13 The tax title promotes a level of efficiency that is almost twice the minimum efficiency
- thresholds for Design 2000*plus*. The Company will educate prospective participants in
- Design 2000plus about the new tax benefits. The combination of Design 2000plus
- 16 incentives and these tax incentives coupled with the program's technical assistance,
- should help customers reach a higher building performance standard.

18

- A. Services
- 20 The earlier in the design process the Company becomes involved, the more likely it is
- 21 that a comprehensive solution will be possible. For example, if the customer begins
- 22 participation in Design 2000plus before making final design decisions, there is the
- 23 advantage that comes from investigating reduced cooling requirements through improved
- 24 lighting systems. Moreover this improvement may lead to selecting smaller HVAC
- equipment and contribute to greater efficiency and lower costs of operations in the
- 26 building. Once the Company identifies an appropriate Design 2000plus project at a
- 27 customer site, the Company offers technical assistance services.

1	
2	These technical assistance services include engineering evaluations that support best
3	practices in building design and consider energy efficient measure identification,
4	equipment metering or monitoring, improved technical design solutions, customer
5	presentations, and design and construction assistance. Technical assistance provides
6	customers with detailed engineering studies that identify alternative energy systems that
7	support lower operating costs in the buildings and the operational benefits that come
8	from this selection. The costs of these energy efficiency studies are usually cost shared at
9	50% with customers.
10	
11	To ensure that energy savings features are installed and operated as designed, the
12	Company provides a commissioning service. This service is an independent third party
13	verification that complex building systems, such as HVAC projects involving energy
14	management systems or other controls, are operating as designed.
15	
16	For customers who wish to use their own design team, Design 2000plus offers a
17	Comprehensive Design Approach. This service provides outside expert technical support
18	for the customer's own design team or reimburses the customer the incremental cost of
19	having its design team analyze all cost-effective efficiency options.
20	
21	Financing for the customer portion of the Design 2000plus project is available to
22	customers. Financing is generally arranged with Citicorp Vendor Financing, and
23	includes nominal application and documentation fees, a limited up-front cash requirement
24	of no more than the first month's lease payment, flexible repayment terms of two to
25	seven years and a simple application process. The amounts available range from \$5,000
26	to \$4,000,000. This arrangement benefits not only the specific customer in need of

1 financing, but also more generally is introducing energy efficiency lending to the

2 financial community, which considers this type of loan unconventional.

3

- 4 Design 2000plus provides free ballast recycling to customers installing energy efficient
- 5 lighting under Design 2000*plus*. The purpose of this service is to ensure that all ballasts
- 6 (some of which contain polychlorinated biphenyls or PCBs) are disposed of in an
- 7 environmentally sound manner.

8

- 9 The Company offers the Project Expediter service, which uses pre-qualified contractors
- 10 to audit customers' facilities and arranges for the purchase and installation of energy
- 11 efficient equipment. As with most of the other services listed here, Project Expediter is
- available for both Design 2000*plus* and Energy Initiative, described below. Usually,
- these installations are retrofits, however, and therefore qualify under Energy Initiative.

14

15

B. Best Practices Initiatives

- 16 The Company is supporting Advanced Buildings (AB) developed by the New Buildings
- 17 Institute (NBI) in cooperation with US EPA, ASHRAE, the US Green Buildings Council
- and the national Building Operators and Managers Association. A key element of the AB
- 19 is "Benchmark," an all inclusive set of standards for building efficiency and sustainable
- 20 design. The "Benchmark" design tool complements the Comprehensive Design
- 21 Approach with a special emphasis on smaller buildings. AB also serves to promote better
- 22 commercial design practices such that advancements in the Rhode Island building code
- 23 can be implemented at an accelerated rate. The Company has played a lead role
- 24 nationally in the development and refinement of Advance Buildings along with other
- stakeholders and utilities. For 2006, the Company will continue to participate in the
- 26 development of support materials targeted at practitioners and building owners. Also,

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the Company will sponsor training in coordination with other system benefits administrators.

3

- 4 Design 2000plus also assists customers in optimizing their building operating systems at
- 5 the time of their federally mandated replacement or conversion of CFC (R-11, R-12
- 6 refrigerant) chillers. Customers may either optimize the performance of their existing
- 7 older building systems or receive technical guidance and recommendations regarding the
- 8 proper size and efficiency for a replacement chiller plant. This program component,
- 9 called the Comprehensive Chiller initiative, also helps to reduce peak summer generation
- 10 demand.

11

- 12 Design 2000plus offers a significant opportunity for economic development in Rhode
- 13 Island by helping businesses save on their electric costs while at the same time
- supporting them in their investments in new energy efficient equipment and system
- improvements to their facilities. To this end, for 2006 the Company intends to continue
- 16 to work closely with various economic development groups in the state, including the
- 17 Rhode Island Economic Development Corporation (RIEDC), to seek ways the Company
- 18 may provide focused efficiency services. This effort builds on the relationships
- 19 established in 2005, and may create a more favorable climate for doing business in Rhode
- 20 Island.

21

- C. Market Transformation Initiatives
- 23 Design 2000plus has a large market transformation component that supports the new
- 24 construction program toward better performance. By familiarizing the large commercial
- and industrial segment with higher energy efficiency standards, Design 2000plus creates
- 26 new efficiency standards for construction. The Company actively supports regional and

- 1 national market transformation programs designed to transform markets for a broad range
- 2 of energy efficient equipment and services. These activities are discussed below.

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a. Regional Energy Efficient Motors and Unitary HVAC initiatives

As a feature of the Design 2000plus Program, the Company supports the MotorUp premium efficiency motor initiative. This regional market transformation initiative promotes motor management of high efficiency motors and quality repair of motors to maintain high efficiency. MotorUp was developed with utilities throughout New York, New Jersey, Connecticut, Massachusetts, Vermont, Rhode Island and New Hampshire through the Northeast Energy Efficiency Partnerships (NEEP). Sponsoring utilities have joined together to design and implement a uniform regional program that features consistent equipment efficiency requirements for qualifying "NEMA Premium" motors, rebates, application forms and marketing materials. The sponsoring utilities together with a contractor identify, recruit, and train trade allies to support program efforts. This contractor disseminates program information to trade allies, provides technical assistance to vendors and distributors, processes rebate applications, produces marketing materials, and tracks program activities and results. Since 2003, the regional initiative has provided instant rebates at motor dealer sites. The Company expects to continue with this approach in 2006. Additionally, the Company is piloting an effort for smaller businesses, through the vendors that provide Project Expeditor services, to transform their purchasing practices through motor management best practices. The Company will work with the customer to facilitate audits of their motor inventory and to develop a motor management plan to optimize energy efficiency by replacing new or failed motors with a NEMA PremiumTM motor.

- 26 The Company also supports Cool Choice, a regional program that focuses on promoting
- 27 the installation of energy efficient unitary HVAC equipment through Design 2000plus.
- 28 This initiative, like the MotorUp initiative described above, has been developed with

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1 essentially the same group of utilities through NEEP and with similar features. The 2 Company has participated in the regional Cool Choice since 1999. 3 4 The Cool Choice program will offer incentives for the purchase of HVAC equipment 5 (unitary and split systems, air-to-air heat pump systems, and water source heat pumps) up 6 to 30 tons at the Tier 2 level, (a Tier 1 level was offered until the end of the 2002 7 program year. Tiers 1 & 2 are specifications for efficiency levels for unitary HVAC 8 equipment established by the Consortium for Energy Efficiency). In addition, the Cool 9 Choice program will continue to offer rebates for dual enthalpy controls for economizers 10 on new HVAC units. Rebates were designed to cover, on average, 100% of the 11 incremental cost. 12 13 The Company will continue to participate in the Cool Choice program in 2006, retaining 14 the same contractor as previous years, under a new contract agreement initiated in 2005. 15 A circuit rider, hired in 2005, will continue to provide outreach in 2006 to HVAC 16 contractors and architectural and engineering firms located in Rhode Island or that 17 service customers in RI. Valuable data is being collected by the circuit rider on the 18 practices of the HVAC contractors, which will be used to help shape a pilot program to 19 be implemented in 2006 for in-field service performance of unitary HVAC equipment. 20 21 The budget for these initiatives is \$60,000, which will pay contractors for delivering the 22 program. 23 24 b. High Performance Commercial Lighting Design/DesignLights Consortium 25 In an attempt to continue to promote high quality, high performance lighting with

commercial and industrial customers the Company will utilize a series of specialized

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- 1 guidelines, called the knowhowTM series, that have been developed by the DesignLights 2 Consortium to help customers with their lighting design decisions. For 2006 the 3
 - Company plans to provide additional outreach on the benefits of high quality lighting
- 4 design to various lighting equipment vendors throughout Rhode Island. The Company
- 5 proposes to accomplish this through visits, workshops and breakfast meetings with these
- 6 vendors and with lighting specifiers. These meetings will be educational but also provide
- 7 an opportunity for these market players to promote high quality, energy efficient lighting
- 8 that would be eligible for rebate to their customers.

9

The budget for this initiative is \$25,000.

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c. Schools Initiative

- 13 The Company proposes to continue offering a special initiative targeted to public schools
- 14 through Design 2000plus. While Design 2000plus has been effective in reaching public
- 15 schools, a majority of schools have not participated due to a broad range of market
- 16 barriers including limited funding and competitive bidding requirements. This program's
- 17 intent is to help schools minimize the hurdles posed by these market barriers during a
- 18 time when Rhode Island is seeing an unprecedented level of investment in new and
- 19 renovated schools.

20

- 21 The Company proposes to fund the full incremental cost for new construction or
- 22 renovation under Design 2000plus. All cost-effective electric energy saving measures
- 23 would be addressed. It is anticipated that most projects will involve lighting. A key
- 24 requirement for this initiative is that lighting must follow the DesignLightsTM Consortium
- 25 guidelines for schools as outlined in "Classroom Lighting knowhowTM" guide published
- 26 by the DesignLightsTM Consortium.

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- 1 Select schools may follow the Comprehensive Design Approach track which entails an
- 2 interactive analysis of proposed measures utilizing whole building simulation tools.

3

- 4 The Company will also continue to participate in the Rhode Island High Performance
- 5 Schools working group. Its mission is to promote "green" schools design elements to
- 6 districts considering new schools and to the design community that serves Rhode Island.
- 7 A circuit rider, funded through a grant from the Henry P. Kendall Foundation, will work
- 8 with prospective districts who are considering a high performance school.

9

10 Funding for this initiative is included in the overall Design2000*plus* program budget.

11

12

d. Building Codes and Standards

- 13 The Parties agree to support work at national and local levels to develop codes and
- standards that continue to upgrade building energy efficiency. In cooperation with the
- 15 codes community, including the Building Code Commission, the Company will work
- with this and other agencies to offer continued improvement on proposed building codes
- and standards that lead to the future revisions of the Rhode Island State Building Code.

- 19 Continually refining these codes and standards, which complement existing programs
- 20 such as Design 2000plus and Energy Initiative, has a significant impact on
- 21 institutionalizing progress made through utility programs. Therefore, this initiative
- focuses on (1) working with national code development organizations such as ASHRAE
- 23 to upgrade building efficiency codes and (2) working at the local level with Rhode Island
- 24 and other states in the development of state efficiency codes and standards. The
- 25 Company will offer support to this effort which will be coordinated primarily through the
- Northeast Energy Efficiency Partnership (NEEP) and the New Buildings Institute (NBI),

1	organizations with the goal of assisting states and others with the development of codes
2	and standards that are practical and enforceable. For instance, Rhode Island has recently
3	upgraded its state energy code to the "2000 International Energy Conservation Code"
4	(IECC-2000) with amendments drafted by NBI. The Company will continue to pursue
5	additional upgrades to the present code through NBI. Part of this effort includes
6	facilitating and supporting the training and education efforts for code enforcers, designers
7	and builders.
8	
9	The 2006 budget is \$5,000.
10	
11	e. Federal Standards
12	Ultimately, markets are transformed towards higher efficiency when newer efficient
13	equipment supplants older inefficient equipment to an extent that the latter is either no
14	longer produced, becomes unattractive to end users or is excluded from the marketplace
15	as the result of various standard-setting processes. Some of these standard setting
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	processes are industry-driven and voluntary; others produce mandatory codes or
17	processes are industry-driven and voluntary; others produce mandatory codes or standards promulgated by federal or state governments.
17 18	
18	standards promulgated by federal or state governments.
18 19	standards promulgated by federal or state governments. The Company agrees to actively track and participate in DOE's standard setting process.
18 19 20	standards promulgated by federal or state governments. The Company agrees to actively track and participate in DOE's standard setting process. DOE's standard setting process involves multiple stakeholder workshops and a public
18 19	standards promulgated by federal or state governments. The Company agrees to actively track and participate in DOE's standard setting process.

with energy efficient equipment, the Company feels it will be able to most effectively

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24

communicate its support for appropriate standards.

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- 1 As Federal standards are raised, participation requirements for Design 2000plus and
- 2 Energy Initiative will be elevated accordingly, pulling the market toward successively
- 3 higher efficiency strata. The Company believes that active participation in the elevation
- 4 of energy efficiency standards is an integral part of any transition strategy in respect to
- 5 ratepayer funded market transformation initiatives.

6

7 Associated costs for this initiative are included in the Design2000*plus* program budget.

8

9

2. Energy Initiative

10 **Overview**

- Offered since 1988, Energy Initiative encourages the replacement of existing equipment
- and systems with energy efficient alternatives. Its structure is very similar to Design
- 13 2000plus, offering financial incentives, technical assistance, and other ancillary services
- such as commissioning, comprehensive chiller assistance, financing, and ballast disposal.

15

16

Eligible Population

- 17 Energy Initiative is available to all non-residential customers, although customers with
- demand below 200 kW are also eligible to participate in the Small Business Services
- 19 program.

20

21

Program Design

- 22 Energy Initiative provides incentives for the installation of many different types of
- 23 energy efficient equipment, including lighting, motors, energy management systems,
- 24 programmable thermostats, variable speed drives, refrigeration, industrial process,
- compressed air, and process cooling. The Company's delivery of Energy Initiative is
- 26 similar to its delivery of Design 2000plus. Energy Initiative offers two types of

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1	incentives, prescriptive and custom. Prescriptive incentives are fixed and offered on a
2	per unit basis. Custom incentives are based on the unique energy savings criteria of
3	projects. Both are based on average at 40% of the total installed cost (including labor and
4	equipment) or at a level that buys the equipment down to a two-year payback to the

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7 The proposed changes to Energy Initiative for 2006 are shown in Attachment 5.

8

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A. Best Practices Initiatives

customer, whichever is less.

10 Energy Initiative offers a significant opportunity for economic development in Rhode 11 Island by helping businesses save on their electric costs while at the same time 12 supporting them in their investments in new energy efficient equipment and system 13 improvements to their facilities. To this end, for 2006 the Company intends to continue 14 to work closely with various economic development groups in the state including the 15 Rhode Island Economic Development Corporation in an attempt to provide focused 16 efficiency services. This effort may lead to fostering a more favorable business climate 17 in Rhode Island to retain businesses in the state.

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The Company also will embark on a public education campaign to promote energy efficiency, especially during peak periods. The Company expects to develop brochures and other informational literature and disseminate these to C&I customers through bill inserts, direct mail, e-mail equipment vendors and account managers. Some of the literature and information that can be used is already available from E Source and the American Council for an Energy Efficient Economy, organizations that feature the benefits to customers available from improving their energy use practices.

B. Market Transformation Initiatives

- 2 Similar to Design 2000plus, the Company's retrofit program includes a strong market
- 3 transformation component to include the following activities.

4

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a. Compressed Air Challenge

- 6 The Company will continue its active sponsorship of the national Compressed Air
- 7 Challenge (CAC). The CAC is a broad based collaborative of government agencies,
- 8 compressed air specialists, equipment manufacturers, end-use consumers and utilities
- 9 whose objective is to promote the substantial energy savings improvements available by
- means of a comprehensive, systems approach to compressed air system design and
- operation. The CAC educational and technical materials being disseminated by the
- 12 Company are intended to increase customer awareness of, and demand for, products and
- services that encompass a comprehensive, "systems optimization" approach. Coupled
- with this increased demand for enhanced services from customers, regional compressed
- air equipment and service vendors will be exposed in depth to the technical approaches
- 16 promoted by the CAC.

- Over the past few years the Company has been actively coordinating local workshops
- 19 that have been developed by the CAC. These workshops reflect consensus approaches to
- 20 a variety of technical issues associated with the comprehensive system approach to
- 21 compressed air quality, reliability, and efficiency. The first workshop, entitled
- 22 "Fundamental of Compressed Air Systems," has been very well received by industrial
- 23 customers and vendors who have attended to date. The second is a more advanced two-
- 24 day workshop entitled "Advanced Management of Compressed Air Systems". This
- 25 complementary workshop is primarily targeted at larger, more sophisticated customers as
- 26 well as regional vendors and engineering consultants. The Company anticipates that

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- these workshops will result in an increased number of applications under the Company's
- 2 programs that address more comprehensive solutions to system efficiency

3

- 4 In addition to promoting the two levels of CAC training currently available, the Company
- 5 will also be providing comprehensive compressed air system evaluations for large
- 6 industrial compressed air users.

7

8 The budget for this initiative is \$5,000

9

10

b. Building Operator Training and Certification (BOTC)

- 11 The Building Operator Training and Certification (BOTC) initiative is a collaborative
- effort among gas and electric utilities in the region and is administered by the Northeast
- 13 Energy Efficiency Partnerships. Through this effort a training and certification program
- is administered and conducted by a third party and offered to commercial and industrial
- 15 customers. The Company has offered Level 1 of the BOTC initiative for the past five
- 16 years. During 2005, a Level 2 class was offered in RI consisting of a more
- 17 comprehensive curriculum that supports advanced practices in building operations. The
- 18 Company will sponsor two additional Level 1 classes in 2006

- 20 The BOTC's objectives include:
- Increasing O&M personnel knowledge and skills in operating and maintaining
- commercial and industrial buildings for efficiency, comfort, and safety.
- Expanding market awareness of the benefits of improved building performance.
- Building market demand for resource-efficient O&M services.

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- Distinguishing resource-efficient practices, service providers, and knowledgeable
 building operators in the marketplace.
- Establishing a Training and Certification program that will become financially self sustaining in the future.

5

6 The budget to subsidize attendance in BOTC courses will be \$10,000.

7

8

c. Operations & Maintenance Benchmarking Initiative

- 9 In 2006, the Company will benchmark the energy use of large C&I customers to assist
- them in setting priorities and promote the installation of energy efficiency measures in
- 11 their facilities.

12

- 13 Benchmarking is the comparison of a facility's energy use to their peers' or their own
- 14 historic consumption characteristics. By gathering their current and historical energy use
- from the Company's billing data systems and presenting it in an insightful manner, new
- energy efficiency strategies may be readily identified, and an action plan leading to an
- 17 installation can be developed. This initiative provides the opportunity to promote this
- 18 service in Rhode Island, with the focus on the creation of applications for energy
- 19 efficiency incentives directly resulting from the findings of the benchmarking exercise.

- 21 As companies become more aware of how and when they use energy in their facilities,
- 22 they are in a position to assess where the best opportunities lie to develop better operating
- and maintenance practices. Through benchmarking, building owners and operators
- 24 achieve a better understanding of the energy related cost of their buildings. Moreover it
- 25 leads them to reduce operating costs, increase energy efficiency and promote
- 26 environmentally-friendly operations.

- 2 There are two primary tools the Company will use to accomplish the benchmarking
- 3 objective. The combination of these approaches and services determined by the
- 4 Company's Account Managers should help to stimulate greater efficiency savings and
- 5 reach those customers who may not have taken advantage of the program and services to
- 6 date.
- The Company's *Energy Profiler On-Line (EPO)*. This is a tool that is used effectively to identify energy use patterns within large commercial or industrial facilities. It helps to identify energy and demand savings potential by offering detail on current load duration and daily and historical building energy use. EPO can provide an account manager an accurate snapshot of the facility before meeting with the customer. The service can frame discussions to influence better

of new energy efficient strategies and opportunities.

energy use practices and /or further technical assistance to validate the potential

• Commercial Benchmarking Services available through the EPA's Energy Star Portfolio Manager. This is a tool that provides a comparison of the level of annual energy consumption for commercial or institutional customers to that of other facilities with the same function. The buildings are ranked in comparison to the other buildings in a national database, corrected for climate and other key variables. The analysis considers all purchased energy types used in the facility. The customer will be responsible for providing the utility data, and tracking resource consumption and costs. The EPA's ENERGY STAR Benchmarking system utilizing Portfolio Manager is used for this effort. The Company will furnish a written action plan identifying efficiency cost and savings opportunities resulting from the benchmarking. The process recognizes that a customer may be motivated by a comparison to peers more than a comparison to previous period's consumption. The Company will use the services of a Project Expediter to

1	generate opportunity assessment, analysis and follow up services to steer the
2	customer toward an installation of efficiency measures.
3	
4	The budget for this initiative is \$45,000
5	
6	d. Rhode Island Retro-commissioning Initiative
7	Also, for 2006, the Company is proposing a Retro-commissioning Initiative. Retro-
8	commissioning, is a process of testing, troubleshooting, and adjusting systems in an
9	existing building with the expectation to raise existing performance standards. The retro-
10	commissioning process can significantly reduce energy consumption with little financial
11	investment. Experience suggests that the cost of retro-commissioning can be paid back
12	through improved system performance, reduced energy costs, and improved occupant
13	comfort.
14	
15	The Retro-commissioning Initiative is bested suited for the following:
16	• Commercial and industrial buildings that have an electric demand greater than 0.5
17	MW.
18	HVAC and process systems
19	Desire to reduce operating costs
20	Use an energy management system
21	
22	The objective of the Retro-commissioning Initiative is to:
23	 Reduce operating costs during peak and off peak periods

Develop a comprehensive and acceptable operation and maintenance plan
• Identify capital projects that can lead to substantial energy savings
• Educate the building personal how to operate the building efficiently
Retro-commissioning will entail an assessment of the major building systems effecting
energy used. Data is collected on how the systems operate presently and how they were
originally designed to operate. Recommendations on where changes should be made to
set points, maintenance practices or new energy efficient equipment are presented in a
report.
The Company proposes to perform retro-commissioning services as outlined above with
two to three commercial or industrial customers. Incentives will be paid to encourage
customers to implement the operations and maintenance (O&M) measures that have a
simple payback of less than 2 years. The Company will review the results of the Retro-
commissioning Initiative with the Collaborative.
The expected cost of these retro-commissioning projects is \$40,000.
C. Distribution Load Response Audit Services
In any local electrical distribution system, the utility equipment has historically been
sized for a few hundred hours of peak loading conditions, and is routinely under-loaded
for the bulk of the year. Peak load reduction is only needed for the few hours per year of
high supply prices, and/or high loading conditions on the local distribution system.
Managing this peak load may result in more stable delivery costs when upgrades to the
distribution system can be deferred. On a regional basis, managing peak loads can help

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1 to moderate supply costs as the need to construct additional capacity to meet higher 2 demand is dampened. Deferring supply additions should lead to lower generation costs 3 over time. Furthermore, individual customers can use demand reduction strategies to 4 reduce their billed peak demands and their own energy costs. 5 6 The proposal for 2006 is a continuation of the Company's Demand Response audit 7 services funded in its 2005 energy efficiency program. In 2004, funding of \$25,600 was 8 allocated to conduct load shed audits to identify electric measures to reduce customer 9 demand. In 2004, the Company successfully completed load shed audits at 16 customer 10 facilities in Rhode Island. Thus far in 2005, the Company has completed 14 site audits 11 for 9 customers; audits for 12 more customers are in progress. 12 13 The Company will identify areas throughout Rhode Island where past and anticipated 14 load growth has the potential to outpace infrastructure improvements, resulting in an 15 accelerated need for infrastructure improvements over original estimates. 16 management of the loads on the system could be a useful tool for future planning. As part 17 of the Company's Summer Load Relief Program, Docket 3680, demand response audits 18 that will identify the potential for various demand limiting strategies will be performed 19 for interested customers in the area outlined in the Summer Load Relief Program. 20 21 Audit services will be primarily marketed to large customers on these highly loaded 22 distribution system components. These could be customers with newer buildings (office 23 buildings, retail establishments, schools, etc.), which currently have building 24 management systems (BMS) in the facility to monitor life safety conditions (smoke, fire 25 alarms), security, and HVAC systems. Buildings with building management systems are 26 typically less than 15 years old. Industrial process customers with potentially

controllable or variable production loads are also potential candidates.

1

2 In addition, load shed audit services will be available to any Rhode Island customer who

3 requests them, even those outside a targeted distribution area, to facilitate their

4 participation in ISO-New England's demand response programs. ISO-New England's

5 programs require a minimum load reduction commitment 100 kW, so large customers are

the likely population to request audit services.

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8 The proposed spending for this effort in 2006 is \$61,100. It is anticipated that the

proposed funding will support 20 to 40 "load shed" technical assistance studies. The

10 Company's demand response initiative program manager and the Company's account

11 managers will market this service to customers on a one-to-one basis. Several TA

12 contractors will be used to identify demand response options and coordinate their

implementation. Economies may be achieved if these focused studies are performed

simultaneously with broader energy efficiency TA studies. The Company will report to

the Collaborative periodically on Demand Response audit service spending.

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The load shed audits may be conducted as part of energy efficiency surveys or as

independent studies. The findings of the audit will be presented to each customer in a

report that will develop a load profile for the facility, followed by set of site-specific load

reduction measures for each customer, along with steps the customer should take to

develop a load reduction plan to optimize their performance during a demand response

22 event.

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Preliminarily, the list of measures to be considered includes:

• Lighting retrofits, including dimmable electronic ballasts for lighting;

- Cooling system upgrades, including chiller efficiency improvements and CO₂ sensors
 to regulate air distribution;
- Building management system control changes, including temperature setbacks for
 HVAC systems;
- Scheduling of industrial processes, such as rearranging shift operations;
- Compressed air system modifications.

7

- 8 No demand response incentives will be paid through the energy efficiency programs, and
- 9 no impacts are projected. Providing customers access to the payment streams from the
- 10 ISO-NE demand response programs, and more importantly, the tools to allow
- participation, will provide added incentives for customers. The Internet enabled gateway
- 12 also has potential to provide real-time demand data allowing customers to experiment
- within their facility to modify their load curves and further reduce the overall electric bill.

- 15 Demand-reducing measures associated with equipment installations will be run through
- the Custom Measure approach under Energy Initiative and Design 2000plus to determine
- 17 cost-effectiveness and rebate eligibility under standard energy efficiency protocols.

SUMMARY OF PROPOSED CHANGES TO THE LARGE BUSINESS SERVICES PROGRAMS FOR 2006

Category	Energy Initiative	Design 2000plus
Lighting	 Change the eligibility requirements for high efficiency fluorescent lamps/ballast to be Super T8s. (Code10) The availability and market awareness of new Super T8 lamps and ballasts has significantly increased over the past year, so the Company will phase out the incentive for standard T8s and only provide incentives for new Super T8s. This change will be phased in at mid-year to allow sufficient time to market this significant change to the Company's programs. Add a prescriptive incentive for the new high quality, high efficiency type fixtures. There are new fixtures on the market that provide the same light quality as the efficient parabolic fixture measure (Code 30), but with even higher efficiency (~85% versus 75%) Reduces incentives on high intensity (or high bay) type fluorescent fixtures. (Code56/57) The availability and market awareness of high intensity fluorescent fixtures has significantly increased over the past year, so the Company proposes to reduce the incentive for this measure in 2006. Reduces incentives on metal halide type light fixtures used in retail applications (Code 70) More manufacturers are producing extensive lines of low wattage (39-100watt) metal halide light fixtures to replace standard incandescent fixtures and costs have started to drop. Evaluate "plug-in" type occupancy controllers for potential prescriptive incentive. There are various controllers on the market that address plug-in type equipment (such as computer screens, office lighting, vending machines, etc.) as opposed to wall or ceiling mount occupancy sensors which typically controls hardwired ceiling lighting fixtures. 	 Super T8 Guidelines. The \$15 incentive will only be available for installation of Super T8 lamps/ballasts. Add prescriptive incentive for the new high quality, high efficiency type fixtures. (add to Code 32 list or create a new Code 34 measure) Incentives on high intensity fluorescent fixture to remain the same Reduces incentives on metal halide retail type light fixtures (same discussion as EI)

Category	Energy Initiative	Design 2000plus
HVAC	No changes	 Eliminate the prescriptive chiller application. All chiller projects will be run Custom. A simple spreadsheet calculator will be developed to provide a streamlined process for "chiller only" type jobs where a full TA Study is not needed. Add incentive for Outside Air Ventilation controls (CO2 based)
Custom	• Reduce incentives from 45% to 40% of total costs.	No changes
Other Initiatives	Benchmarking Retro-commissioning	Advanced Buildings – Allow an enhanced incentive to support the adoption of the Advanced Building Design Guidelines. This will promote high performance building design practices. This incentive will provide up to 90% of the incremental costs and target buildings of less than 100,000 square feet.
Tax Provisions	• Not Applicable	The Company will promote the availability of tax benefits as they apply to high performance buildings. These tax provisions are described in the Federal Energy Policy Act of 2005.

These proposed enhancements continue to reflect the Company's objectives to improve the way buildings are designed, constructed and operated.

NARRAGANSETT ELECTRIC COMPANY 2006 Proposed Budget

	PAYROLL (\$000)	EXPENSE (\$000)	ADVERTISING (\$000)	TOTAL (\$000)
RESIDENTIAL PROGRAMS	,	,	,	,
IN-HOME SERVICES				
EnergyWise	\$48.3	\$1,515.0	\$50.0	\$1,613.4
Single Family Low Income Services	\$19.4	\$1,665.0	\$0.0	\$1,684.4
ENERGY EFFICIENT PRODUCTS				
ENERGY STAR® Appliances	\$16.6	\$244.0	\$124.7	\$385.2
ENERGY STAR® Heating Program	\$3.5	\$104.4	\$2.0	\$109.8
ENERGY STAR® Central Air Conditioning Progra	an \$6.2	\$151.7	\$17.2	\$175.1
ENERGY STAR® Lighting	\$21.3	\$796.4	\$122.0	\$939.7
NEW CONSTRUCTION				
ENERGY STAR® Homes	\$10.7	\$947.5	\$30.0	\$988.2
INFORMATION & EDUCATION				
Energy Efficiency Educational Programs	\$6.9	\$47.3	\$70.0	\$124.2
Subtotal Residentia	al \$133.0	\$5,471.3	\$415.9	\$6,020.1
C&I PROGRAMS				
LARGE C&I PROGRAMS (1)				
Design 2000plus	\$382.6	\$3,463.3	\$16.1	\$3,861.9
Energy Initiative(2)	\$381.4	\$6,100.3	\$9.5	\$6,491.2
Subtotal Large C&	\$764.0	\$9,563.6	\$25.6	\$10,353.2
SMALL C&I PROGRAMS				
Small Business Services	\$14.2	\$4,193.7	\$50.0	\$4,258.0
Subtotal Small C&	·	\$4,193.7	\$50.0	\$4,258.0
OTHER DSM EXPENSE ITEMS				
Company Incentive	\$0.0	\$733.9	\$0.0	\$733.9
Program Design, Evaluation and Planning	\$135.5	\$206.2	\$0.0	\$341.7
Subtotal Other Iten	ns \$135.5	\$940.1	\$0.0	\$1,075.6
TOTAL DSM BUDGET	\$1,046.7	\$20,168.7	\$491.4	\$21,706.8

¹⁾ Includes commitments for Design 2000plus and Energy Initiative of \$1,132,700 and \$2,648,000 respectively.

²⁾ Includes funding for load response audits. The budget for this activity is \$61,100.

THE NARRAGANSETT ELECTRIC COMPANY

2006 Proposed Budget Vs. 2005 True-up Budget

	Proposed 2006	2005 True-up	
	Budget	Budget	Difference
	(\$000)	(\$000)	(\$000)
RESIDENTIAL PROGRAMS			
IN-HOME SERVICES			
Energy Wise	\$1,613.4	\$1,834.6	(\$221.2)
Single Family Low Income Services	\$1,684.4	\$1,856.4	(\$172.0)
Home Energy Management	\$0.0	\$45.5	(\$45.5)
ENERGY EFFICIENT PRODUCTS			
ENERGY STAR® Appliances	\$385.2	\$490.0	(\$104.8)
ENERGY STAR® Heating Program	\$109.8	\$200.9	(\$91.0)
ENERGY STAR® Central Air Conditioning Program	\$175.1	\$251.2	(\$76.0)
ENERGY STAR® Lighting	\$939.7	\$1,101.1	(\$161.4)
NEW CONSTRUCTION			
ENERGY STAR® Homes	\$988.2	\$1,176.9	(\$188.7)
INFORMATION & EDUCATION			
Energy Efficiency Educational Programs	\$124.2	\$97.2	\$27.0
Subtotal Residential	\$6,020.1	\$7,053.7	(\$1,033.7)
LARGE C&I PROGRAMS			
Design 2000plus	\$3,861.9	\$4,366.6	(\$504.7)
Energy Initiative(1)	\$6,491.2	\$6,442.0	\$49.3
Subtotal Large C&I	\$10,353.2	\$10,808.6	(\$455.4)
SMALL C&I PROGRAMS			
Small Business Services	\$4,258.0	\$4,130.0	\$128.0
Subtotal Small C&I	\$4,258.0	\$4,130.0	\$128.0
	\$20,631.2	\$21,992.3	(\$1,361.2)
OTHER DSM EXPENSE ITEMS			
Company Incentive	\$733.9	\$774.689	(\$40.8)
Load Response Program(1)	\$0.0	\$27.7	(\$27.7)
Program Design, Evaluation and Planning	\$341.7	\$350.0	(\$8.3)
Subtotal Other Items	\$1,075.6	\$1,152.4	(\$76.8)
TOTAL DSM BUDGET	\$21,706.8	\$23,144.8	(\$1,438.0)

Notes:

1) For 2006, the Company has included \$61,100 in funding for load response audits that will be provided to existing customers in its Energy Initiative Program budget. In 2005, this funding was shown as if it were for a unique initiative due to its nature as a demonstration effort in 2005.

The Narragansett Electric Company DSM Funding Sources in 2006 by Sector

	Projection
Projected kWh Sales ¹ : Residential Small Commercial & Industrial Large Commercial & Industrial Total	3,091,306,693 1,880,610,087 3,107,519,429 8,079,436,209
DSM Revenue per kWh	\$0.002
Projected DSM Revenues (\$000) Residential Small Commercial & Industrial Large Commercial & Industrial Total	\$6,182.6 \$3,761.2 \$6,215.0 \$16,158.8
Other Sources of DSM Revenues (\$000): Projected DSM Fund Balance Interest in 2006 Residential Small Commercial & Industrial Large Commercial & Industrial Total	\$102.0 \$60.0 <u>\$308.0</u> \$470.0
Projected Co-Payments by Customers in 2006: Residential Small Commercial & Industrial Large Commercial & Industrial Total	\$0.0 \$436.8 \$75.1 \$511.9
Projected DSM Commitments in 2005: Residential Small Commercial & Industrial Large Commercial & Industrial Total	\$0.0 \$0.0 <u>\$3,780.7</u> \$3,780.7
Projected 2005 Fund Balance: Residential Small Commercial & Industrial Large Commercial & Industrial Total	(\$177.7) \$500.7 <u>\$462.4</u> \$785.4
Subtotal - Other Sources of DSM Revenues: Residential Small Commercial & Industrial Large Commercial & Industrial Total	(\$75.7) \$997.5 <u>\$4,626.2</u> \$5,548.0
Projected Total Funding Available in 2006: Residential Small Commercial & Industrial Large Commercial & Industrial Total	\$6,106.9 \$4,758.7 <u>\$10,841.2</u> \$21,706.8

Notes:

1 Projected streetlighting and sales for resale kWh sales have been allocated to each sector based on the percentage of sales in each $sector\ excluding\ expected\ streetlighting\ sales.$

1	
2	2006 PERFORMANCE METRICS
3	
4 5	Introduction
6	In 2005, incentivized performance metrics were established for five initiatives offered in
7	Rhode Island. Four of these metrics were for "market transformation" initiatives and one
8	(Comprehensiveness in Small Business Services) was for a significant improvement in
9	program offerings. In all cases, the metrics were designed to be straightforward measures
10	of progress for initiatives believed worthy of a special targeted focus.
11	
12	For 2006, the Company proposes performance metrics for four initiatives. The major
13	structure and delivery for three of the initiatives is not changing from the metrics
14	established in 2005. This reflects the fact that, for many such initiatives, progress is
15	achieved over time and that it is worthwhile to maintain the focus of program
16	implementation on the policy objective defined by the metric over more than one year. A
17	new performance target is proposed for Commercial and Industrial Benchmarking.
18	Major changes to some residential programs (as described in Attachment 1) make it
19	difficult to predict performance and create targets for some program areas that would
20	have been promising candidates for a second residential metric.
21	
22	The Company proposes the performance targets for 2006 described on the following
23	pages. The proposed targets reflect current market conditions and will require significant
24	Company effort to achieve desired results. The Parties agree that partial credit will be
25	awarded for performance that does not meet the specific numeric target, in recognition of
26	the Company's effort and in recognition that Rhode Island consumers benefit from even
27	partial progress toward the metric's objective. No extra incentive will be awarded for
28	exceeding the numeric target.
29	
30	The performance level at which partial achievement will be credited is the "threshold".
31	For those metrics that are continuing in 2005, the threshold will be equal to final 2005

performance. This provides continuity in the structure of the metric at the same time as
creating a clear standard for the Company from which it must improve in order to receive
an incentive. For the metric that did not exist in 2005, the threshold is developed based
on an assessment of available program data.
The performance level at which the full incentive will be credited is the "target." The
incentive for most metrics will be scaled between the threshold and the target. For the
schools metric that does not allow for scaling, the incentive will be credited for
incremental levels of performance.
Residential Metric 1: EnergyWise Targeting.
Metric: The Company will also actively offer EnergyWise services to the approximately
10,000 customers who (a) are not low income, (b) who have previously been shut-off for
non-payment over the past three years, and (c) have not previously participated in the
EnergyWise program. The Company will serve 100 more customers from this group
than it served in 2005.
Objective: This metric supports outreach and delivery of services to segments of the
residential customer sector who have not previously participated in the ${\it EnergyWise}$
program and whose economic circumstances warrant special attention. These customers
will benefit from the long term value provided by the EnergyWise program.
<u>Discussion:</u> The key issue with this metric is defining the target market and the likely
response.
Non low income customers with a history of shut-offs are targeted because the shut-off
history indicates some economic hardship. When this history is linked together with a
tailored marketing effort, prior non-participants may be receptive to receiving
tanored marketing errort, prior non-participants may be receptive to receiving

¹ This proposal describes a process for establishing numeric targets for the continuing performance metrics. The Parties propose to include final performance targets for these metrics as part of the 2006 True-Up filing.

THE NARRAGANSETT ELECTRIC COMPANY R.I.P.U.C. Docket No. 3701 Attachment 8 Page 3 of 9

- 1 EnergyWise services. However, the customer response may be influenced by other
- 2 factors that outweigh the value of the energy benefits. In 2005, targeting also focused on
- 3 customers whose Home Energy Management Program benefits were ending. This group
- 4 will no longer be given special targeting.
- 5 Information to date for 2005 indicates that the Company is on track to reach its target of
- 6 100 customers in 2005. The parties agree that an increment of 100 customers is
- 7 appropriate for this segment. The proposed increment is based on the results of
- 8 marketing the Company did in 2005.
- 9 Low income customers are served by the Single Family Low Income Services program
- instead of Energy *Wise* and therefore not covered by this metric.
- 11 Partial Performance: The following is proposed for partial achievement toward the
- 12 target. The incentive for performance between the threshold and the target will be scaled
- 13 proportionately.

ENERGY WISE TARGETING										
	Participants Incentive % of Incenti									
Threshold	2005 participation	\$10,000	67%							
Target	2005 participation plus 100	\$15,000	100%							

14 15

C& I Metric 1: C&I Benchmarking

16 17 18

Metric: In 2006, the Company will benchmark the energy use of large C&I customers to

assist them in setting priorities and promote the installation of energy efficiency measures

in their facilities. Delivery of this benchmarking service will be the basis for creation of

and commitment by the Company to applications for incentive payments from 12

22 different large C&I customer facilities.

23

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Objective: Benchmarking is the comparison of a facility's energy use to their peers' or their own historic consumption characteristics. By gathering their current and historical energy use from the Company's billing data systems and presenting it in an insightful manner, new energy efficiency strategies may be readily identified, and an action plan leading to an installation can be developed. This metric provides the opportunity to promote this service in Rhode Island, with the focus on the creation of applications for energy efficiency incentives directly resulting from the findings of the benchmarking exercise.

<u>Discussion:</u> As companies become more aware of how and when they use energy in their facilities, they are in a position to assess where the best opportunities lie to develop better operating and maintenance practices. Through benchmarking, building owners and operators achieve a better understanding of the energy related cost of their buildings. Moreover it leads them to reduce operating costs, increase energy efficiency and promote environmentally-friendly operations.

There are two primary tools the Company will use to accomplish the benchmarking objective. The combination of these approaches and services determined by the Company's Account Managers should help to stimulate greater efficiency savings and reach those customers who may not have taken advantage of the program and services to date.

• The Company's Energy Profiler On-Line (EPO). This is a tool that is used effectively to identify energy use patterns within large commercial or industrial facilities. It helps to identify energy and demand savings potential by offering detail on current load duration and daily and historical building energy use. EPO can provide an account manager an accurate snap shot of the facility before meeting with the customer. The service can frame discussions to influence better energy use practices and /or further technical assistance to validate the potential of new energy efficient strategies and opportunities.

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Commercial Benchmarking Services available through the EPA's Energy Star Portfolio Manager. This is a tool that provides a comparison of the level of annual energy consumption for commercial or institutional customers to that of other facilities with the same function. The buildings are ranked in comparison to the other buildings in a national database, corrected for climate and other key variables. The analysis considers all purchased energy types used in the facility. The customer will be responsible for providing the utility data, and tracking resource consumption and costs. The EPA's ENERGY STAR Benchmarking system utilizing Portfolio Manager is used for this effort. The Company will furnish a written action plan identifying efficiency cost and savings opportunities resulting from the benchmarking. The process recognizes that a customer may be motivated by a comparison to peers more than a comparison to previous period's consumption. The Company will use the services of a Project Expediter to generate opportunity assessment, analysis and follow up services to steer the customer toward an installation of efficiency measures.

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The metric requires customer recruitment, benchmarking, identification of opportunities, creation of applications and commitment to projects to all occur within 2006. Performance of all of these tasks will take significant effort and follow-up by the Company. The target of 12 is set based on the experience with this offering by the Company's affiliate in Massachusetts.

2223

<u>Partial Performance</u>: The following is proposed for partial achievement toward the target of 12 application commitments.

25

24

C&I BENCHMARKING									
Applications Incentive % of Incentive									
Threshold	8	\$10,000	67%						
Target	12	\$15,000	100%						

26 27

28

The incentive for performance between the threshold and the target will be scaled proportionately.

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C&I Metric 2: High Performance Schools
Metric: The Company will contract with new public or private school projects through
Design 2000plus to provide full incremental cost for high performance design and
construction practices with a special focus on high quality energy efficient lighting. It
shall contract with 2 schools more than it contracted with in 2005.
Objective: This market capitalizes on the window of opportunity available when school
facilities are being built or renovated to increase program participation and energy
savings. It assists a portion of the municipal sector that faces continuing funding
challenges.
<u>Discussion:</u> Schools present unique opportunities to not only adopt energy efficiency but
to enhance student learning through better classroom design. This metric provides
technical and financial support from the very beginning of school construction projects,
emphasizes thermal, acoustic, and visual comfort, especially in lighting design, and helps
cities and towns construct new schools that are high quality, environmentally sensitive,
and cost less to operate.
According to documents from the Department of Education, on average, funding is
approved for approximately 15 public school projects per year. In the period 2001
through 2004, 10 schools, or 16% (of approximately 60 schools), have participated in the

26

25

Schools Initiative.²

² Some of the approved public school projects may be for projects that may not be suitable for the Schools Initiative, in other words, projects that do not involve construction of an entirely new school building. These may be for partial facility construction, renovations, or equipment replacement at the end of its useful life. Many of these have received rebates through the Design 2000plus program. In fact, over 75% of the funded public school projects received Design2000plus rebates in this period.

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In 2004, the Company placed under contract 1 school, and in 2005 the Company is projecting to place under contract 2 schools, indicating the difficulty in recruiting customers to this initiative considering the small number of new schools built each year, the long project development schedules, and the current economic climate, particularly for municipalities. In this context, the Company's proposal to increase this amount by 2

projects in 2006 is a reasonable challenge.

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For 2006, the Company will continue to work with the Rhode Island Department of Elementary and Secondary Education to help identify additional participants. The Company has not been able to identify a single source of data that tracks funding of private school construction. Nevertheless, the Company will use the same level of effort to offer the program to private schools as to public schools and include contracts with private schools in the performance metric for 2006.

14

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17

<u>Partial Performance</u>: Based on historic performance, the small size of the eligible market and the uncertainty about the potential in the private school sector, the following is proposed for partial achievement toward the target increase of 2 schools.

18

SCHOOLS INITIATIVE									
Performance	Participants	Incentive	% of Incentive						
Threshold	(2005 level)	\$10,000	67%						
Intermediate	(2005 participation +1)	\$12,500	83%						
Target	(2005 participation +2)	\$15,000	100%						

19 20

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22

Because of the integer nature of school buildings, the incentive for performance between the threshold and the target will be not scaled proportionately, but will be awarded as shown above.

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C&I Metric 3: Comprehensiveness in Small Business Installations

1	CX1 Weth C 3. Comprehensiveness in Sman Business Instanations
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3	Metric: The Company will achieve 2 percentage points greater comprehensiveness in
4	Small Business Services in 2006 than it achieved in 2005. The percentage will be
5	calculated as the number of completed non prescriptive lighting or other custom energy
6	efficiency applications (excluding custom walk-in cooler applications) divided by the
7	total number of applications (excluding walk-in cooler applications) in 2006.
8	
9	Objective: This metric continues to encourage the Company to add other electrical
10	efficiency opportunities beyond lighting retrofits to the Small Business Services program.
11	These improvements to program design support more comprehensiveness in customers'
12	facilities and expand the depth and appeal of the program.
13	
14	Discussion: In 2004, the Parties established and achieved a metric target of 5%
15	comprehensiveness, using the definition contained in the metric description above. In
16	2005, the Company is on target to achieve the metric of 7% comprehensiveness. The key
17	factors influencing the delivery of comprehensive services were education of
18	implementation staff to identify non-lighting measures and establishment of effective
19	delivery channels.
20	
21	The Company proposes to set the target at 2 percentage points greater comprehensiveness
22	in 2006 compared to 2005. The Company believes that good progress has been made in
23	small business comprehensive implementation, but that more progress remains to be
24	made. Although the metric structure is the same as 2005, the 2 percentage point increase
25	will be a challenge because it continues to be a challenge for the implementation vendor
26	to cost effectively manage the implementation of custom measures while managing the
27	budget and achieving savings targets.
28	

As in 2005, the metric specifies completed projects to put the tracking of

comprehensiveness on equal footing with other results that are tracked throughout the

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- 1 years, and to eliminate the potential for counting a comprehensive project in two years.
- 2 Also, as in 2005, the Company will exclude from this metric and assessment of its
- 3 performance toward the target customers in the 100 kW to 200 kW range who participate
- 4 in the SEO's ESCO program.

5

- 6 Walk-in cooler have been excluded from the metric because they are delivered by a
- 7 different vendor from the rest of the services and because comprehensive measures are
- 8 just beginning to be developed and offered for the small business refrigeration end use.

9

- 10 <u>Partial Performance</u>: Based on historic performance, the following is proposed for partial
- 11 achievement toward the target.

12

SBS COMPREHENSIVENESS									
Performance	Comprehensiveness %	Incentive	% of Incentive						
Threshold	(Equal to 2005 actual)	\$10,000	67%						
Target	(2 percentage points above 2005)	\$15,000	100%						

- The incentive for performance between the threshold and the target will be scaled
- 15 proportionately.

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NARRAGANSETT ELECTRIC COMPANY Derivation of the 2006 Spending Budget for Shareholder Incentive Calculation

	(1) Total Proposed 2006 Budget (\$000)	Commitments and Copays (\$000)	Excluded Programs (\$000)	(4) Allocated Other Expenses (\$000)	(5) Eligible Sector Spending Budget (\$000)
RESIDENTIAL PROGRAMS					
IN-HOME SERVICES	4				
EnergyWise	\$1,613.4				
Single Family Low Income Services	\$1,684.4				
ENERGY EFFICIENT PRODUCTS					
ENERGY STAR® Appliances	\$385.2				
ENERGY STAR® Heating Program	\$109.8				
ENERGY STAR® Central Air Conditioning Program	\$175.1				
ENERGY STAR® Lighting	\$939.7				
NEW CONSTRUCTION					
ENERGY STAR® Homes	\$988.2				
INFORMATION & EDUCATION					
Energy Efficiency Educational Programs	\$124.2				
Subtotal Residential	\$6,020.1	\$0.0	\$0.0	\$136.2	\$6,156.3
LANCE CALINDOCHAMS					
LARGE C&I PROGRAMS	¢2.061.0				
Design 2000plus	\$3,861.9				
Energy Initiative	\$6,491.2		40.0	\$100.4	φ.ς.ςΩ = =
Subtotal Large C&I	\$10,353.2	\$3,855.8	\$0.0	\$188.4	\$6,685.7
SMALL C&I PROGRAMS					
Small Business Services	\$4,258.0				
Subtotal Small C&I			\$0.0	\$17.1	\$3,838.3
	\$20,631.2	, 1000			1 -)
OTHER DSM EXPENSE ITEMS					
Company Incentive	\$733.9		\$733.9		
Program Design, Evaluation and Planning	\$341.7			(\$341.7)	
Subtotal Other Items	\$1,075.6		\$733.9	(\$341.7)	\$0.0
TOTAL DSM BUDGET	\$21,706.8			\$0.0	\$16,680.3

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THE NARRAGANSETT ELECTRIC COMPANY Target 2006 Shareholder Incentive

Incentive Rate: 4.40%

	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
				Target	Target				
				Incentive for	Incentive -			Target	Incentive Cap -
	Spending	Incentive	Target	Performance	Annual kWh	Annual kWh	Threshold	Incentive	Annual kWh
Sector	Budget	Rate	Incentive	Metrics	Savings	Savings Goal	kWh Savings	Per kWh	Savings
Residential	\$6,156,265		\$263,731	\$15,000	\$248,731	16,370,479	9,822,287	\$0.015	\$310,914
Small Commercial & Industrial	\$3,838,284		\$170,078	\$15,000	\$155,078	8,110,623	4,866,374	\$0.019	\$193,848
Large Commercial & Industrial	\$6,685,720		\$300,123	\$30,000	\$270,123	27,898,751	16,739,251	\$0.010	\$337,653
Total	\$16,680,268	4.40%	\$733,932	\$60,000	\$673,932	52,379,852	31,427,912		\$842,415

Notes:

- (1) Sector budget net of projected commitments and copays.
- (2) 4.40% of the sector spending budget.
- (3) Column (2) x Column (1).
- (4) \$15,000 per proposed performance metric.
- (5) Column (3) Column (4) allocated to sectors based on the relative size of the spending budget in the sector.
- (6) Goal for annual kWh savings by sector.
- (7) 60% of Column (5). The threshold level of performance has been increased from 45% to 60% in 2005. No incentive is earned on annual kWh savings in the sector unless the Company achieves at least this threshold level of performance.
- (8) Column (5)/Column (6). Applicable to all annual kWh savings up to 125% of target savings if at least 60% of target savings have been achieved.
- (9) Column (5) x 1.25. See page xx of the Settlement.

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2006 RHODE ISLAND BENEFIT COST TEST

 $Summary\ of\ Benefit,\ Expenses,\ Evaluation\ Costs\ (\$000)$

The Narragansett Electric Company

	Č	1 .			
	Rhode Island Benefit/ Cost (2)	Total Benefit	Program Implementation Expenses	Evaluation Cost	Shareholder Incentive (3)
Large Commercial & Industrial					
Design 2000plus	4.41	\$12,378	\$2,729	\$80	NA
Energy Initiative	7.04	27,616	3,843	80	NA
SUBTOTAL	5.69	\$39,994	\$6,572	\$160	\$300
Small Commercial & Industrial Small Business Services(1)	2.15	\$7,684	\$3,552	\$15	NA
SUBTOTAL	2.06	\$7,684	\$3,552	\$15	\$170
Residential Programs IN-HOME SERVICES EnergyWise Single Family Low Income Services PRODUCTS & SERVICES ENERGY STAR® Appliances ENERGY STAR® Heating Program ENERGY STAR® Central Air Conditioning Program ENERGY STAR® Lighting NEW CONSTRUCTION - ENERGY STAR® Homes	1.35 1.20 1.50 6.28 10.10 5.16 1.28 5.78 2.07	\$4,556 2,024 2,532 10,261 3,891 567 225 5,578 2,083	\$3,298 1,613 1,684 1,610 385 110 175 940 988	\$74 74 0 25 0 0 0 25 16	NA
SUBTOTAL	2.69	\$16,901	\$5,896	\$115	\$264
Other					
Energy Efficiency Education Programs	NA	NA	\$124	NA	NA
Other Program Design, Evaluation and Planning	NA	NA	124	52	NA
SUBTOTAL	NA	NA	\$124	\$52	NA
TOTAL	3.75	\$64,579	\$16,144	\$342	\$734
IUIAL	3.75	\$04,579	\$10,144	\$342	\$/34

Notes:

- 1) Small Business program expenses are net of the projected customer co-pay for 2006 installations (\$706,251).
- 2) RI B/C Test = (Energy + Capacity + Participant Resource Benefits) / (Program Implementation + Evaluation Costs + Shareholder Incentive)
- 3) See Attachment 9.

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2006 RHODE ISLAND BENEFIT COST TEST

Summary of Expenses, Benefit, kW, and kWh by Program

ſ					Benefit	s (000's)								MWh	Saved
			Capa	acity		()	Ene	rgv							
		Gene	ration			Wii	ıter		mer	Participant				Maximum	
	Total	Summer	Winter	Trans	MDC	Peak	Off Peak	Peak	Off Peak	Resource	Summer	Winter	Lifetime	Annual	Lifetime
Large Commercial & Industrial															
Design 2000plus	\$12,378	\$2,164	\$0	\$479	\$1,229	\$2,570	\$2,689	\$1,204	\$1,146	\$0	1,695	953	28,525	8,766	149,960
Energy Initiative	27,616	4,825	0	1,066	2,733	7,528	4,168	3,532	1,774	0	3,658	2,962	63,708	19,133	313,521
SUBTOTAL	\$39,994	\$6,989	\$0	\$1,545	\$3,963	\$10,098	\$6,857	\$4,736	\$2,920	\$0	5,352	3,915	92,234	27,899	463,481
Small Commercial & Industrial															
Small Business Services	\$7,684	\$1,417	\$0	\$340	\$873	\$2,472	\$566	\$1,143	\$237	\$0	2,094	1,092	18,842	8,111	76,836
SUBTOTAL	\$7,684	\$1,417	\$0	\$340	\$873	\$2,472	\$566	\$1,143	\$237	\$0	2,094	1,092	18,842	8,111	76,836
Residential Programs															
IN-HOME SERVICES	\$4,556	\$282	\$0	\$66	\$245	\$634	\$781	\$315	\$320	\$1,792	335	787	3,643	3,558	37,987
EnergyWise	2,024	162	0	38	142	436	538	217	220	200	208	613	2,096	2,570	25,889
Single Family Low Income Services	2,532	120	0	28	103	197	243	98	100	1,592	127	174	1,548	988	12,098
PRODUCTS & SERVICES	10,261	787	0	188	703	1,618	2,005	874	841	2,893	1,123	1,578	10,459	12,038	92,948
ENERGY STAR® Appliances	3,891	358	0	82	305	185	228	140	109	2,332	362	128	4,600	924	12,735
ENERGY STAR® Heating Program	567	0	0	0	0	2	2	1	1	561	0	5	1	10	115
ENERGY STAR® Central Air Conditioning Program	225	75	0	18	66	3	1	22	7	0	96	1	996	54	590
ENERGY STAR® Lighting	5,578	353	0	89	333	1,427	1,774	711	725	0	665	1,443	4,863	11,051	79,507
NEW CONSTRUCTION - ENERGY STAR® Homes	2,083	163	0	35	132	136	168	68	69	1,246	107	199	2,184	774	8,128
SUBTOTAL	\$16,901	\$1,232	\$0	\$289	\$1,081	\$2,387	\$2,954	\$1,257	\$1,231	\$5,931	1,564	2,564	16,287	16,370	139,063
	·			, and the second											
TOTAL	\$64,579	\$9,637	\$0	\$2,175	\$5,916	\$14,956	\$10,377	\$7,136	\$4,388	\$5,931	9,010	7,571	127,363	52,380	679,380

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Calculation of 2006 Program Year Cost-Effectiveness and Goals

	Propos	sed 2006	2005	Гrue-Up	Difference		
	Annual		Annual		Annual		
	Energy		Energy		Energy		
	Savings		Savings		Savings		
	(MWh)	Participants	(MWh)	Participants	(MWh)	Participants	
Program							
Large Commercial & Industrial							
Design 2000plus	8,766	181	9,478	189	(712)	(8)	
Energy Initiative	19,133	182	18,035	185	1,098	(3)	
SUBTOTAL	27,899	363	27,513	374	385	(11)	
Small Commercial & Industrial							
Small Business Services	8,111	887	7,466	887	644	0	
SUBTOTAL	8,111		7,466 7,466		644	0 0	
SUBTOTAL	0,111	007	7,400	667	044	U	
Residential Programs							
IN-HOME SERVICES							
EnergyWise	2,570	3,261	2,955	3,699	(384)	(438)	
Single Family Low Income Services	988	967	1,157	1,011	(169)	(44)	
PRODUCTS & SERVICES							
ENERGY STAR® Appliances	924	5,800	830	5,785	93	15	
ENERGY STAR® Heating Program	10	480	12	609	(3)	(129)	
ENERGY STAR® Central Air Conditioning Program	54	400	131	210	(76)	190	
ENERGY STAR® Lighting	11,051	64,097	12,546	71,221	(1,496)	(7,124)	
NEW CONSTRUCTION - ENERGY STAR® Homes	774	500	1,141	600	(367)	(100)	
SUBTOTAL	16,370	75,505	18,772	83,135	(2,401)	(7,630)	
mon.v.	FA 200	5/ 5	F2 FF1	04.204	(1.051)	(F. C.14)	
TOTAL	52,380	76,755	53,751	84,396	(1,371)	(7,641)	

ELECTRIC AVOIDED PRODUCER COSTS FOR RHODE ISLAND FROM NEW AVOIDED ENERGY SUPPLY COMPONENT STUDY, IN 2006\$, USED IN 2006 SETTLEMENT

	Winter	Winter Off-	Summer	Summer	Summer	Winter	_	C&I	Res	
	Peak Energy	Peak	Peak	Off-Peak	Gener.	Gener.	Transm.		Distribution	DRIPE
الدينية	\$/kWh	Energy	Energy \$/kWh	Energy	Capacity	Capacity	Capacity	Capacity	Capacity	
Period 2005	•	\$/kWh		\$/kWh	\$/kW-yr	\$/kW-yr	\$/kW-yr	\$/kW-yr	\$/kW-yr	\$/kW-yr
<u> </u>	0.075	0.065	0.070	0.052	4.050	0.000	17.569	45.951	66.963	32.805
2006 2007	0.086	0.074	0.079	0.061	41.729	0.000	17.569	45.951	66.963	32.805
<u> </u>	0.090	0.076	0.083	0.064	47.393	0.000	17.569	45.951	66.963	32.805
2008	0.076	0.062	0.072	0.052	71.905	0.000	17.569	45.951	66.963	32.805
2009	0.062	0.050	0.057	0.041	76.873	0.000	17.569	45.951	66.963	32.805
2010	0.054	0.043	0.050	0.036	80.222	0.000	17.569	45.951	66.963	32.805
2011	0.056	0.045	0.051	0.038	83.716	0.000	17.569	45.951	66.963	32.805
2012	0.058	0.046	0.053	0.039	87.363	0.000	17.569	45.951	66.963	32.805
2013	0.058	0.047	0.054	0.040	87.674	0.000	17.569	45.951	66.963	32.805
2014	0.059	0.047	0.054	0.040	87.985	0.000	17.569	45.951	66.963	32.805
2015	0.059	0.048	0.055	0.041	88.298	0.000	17.569	45.951	66.963	32.805
2016	0.059	0.048	0.055	0.041	88.612	0.000	17.569	45.951	66.963	32.805
2017	0.061	0.050	0.058	0.043	88.056	0.000	17.569	45.951	66.963	32.805
2018	0.063	0.052	0.060	0.045	87.503	0.000	17.569	45.951	66.963	32.805
2019	0.065	0.054	0.062	0.047	86.953	0.000	17.569	45.951	66.963	32.805
2020	0.067	0.056	0.065	0.049	86.407	0.000	17.569	45.951	66.963	32.805
2021	0.068	0.056	0.066	0.050	86.804	0.000	17.569	45.951	66.963	32.805
2022	0.068	0.057	0.067	0.050	87.202	0.000	17.569	45.951	66.963	32.805
2023	0.069	0.057	0.067	0.051	87.603	0.000	17.569	45.951	66.963	32.805
2024	0.070	0.058	0.068	0.052	88.005	0.000	17.569	45.951	66.963	32.805
2025	0.070	0.059	0.069	0.052	88.409	0.000	17.569	45.951	66.963	32.805
2026	0.071	0.059	0.070	0.053	88.815	0.000	17.569	45.951	66.963	32.805
2027	0.072	0.060	0.071	0.054	89.223	0.000	17.569	45.951	66.963	32.805
2028	0.073	0.061	0.072	0.054	89.633	0.000	17.569	45.951	66.963	32.805
2029	0.073	0.061	0.073	0.055	90.045	0.000	17.569	45.951	66.963	32.805
2030	0.074	0.062	0.073	0.056	90.458	0.000	17.569	45.951	66.963	32.805
2031	0.074	0.062	0.074	0.056	74.776	0.000	17.569	45.951	66.963	32.805
2032	0.074	0.061	0.074	0.055	69.229	0.000	17.569	45.951	66.963	32.805
2033	0.074	0.061	0.075	0.055	64.094	0.000	17.569	45.951	66.963	32.805
2034	0.074	0.061	0.075	0.055	59.340	0.000	17.569	45.951	66.963	32.805
2035	0.074	0.061	0.076	0.055	54.939	0.000	17.569	45.951	66.963	32.805
2036	0.074	0.061	0.076	0.055	50.864	0.000	17.569	45.951	66.963	32.805
2037	0.074	0.060	0.076	0.054	47.091	0.000	17.569	45.951	66.963	32.805
2038	0.074	0.060	0.077	0.054	43.598	0.000	17.569	45.951	66.963	32.805
2039	0.074	0.060	0.077	0.054	40.365	0.000	17.569	45.951	66.963	32.805
2040	0.074	0.060	0.078	0.054	37.371	0.000	17.569	45.951	66.963	32.805
Levelized ³ (2005-2040)	0.069	0.057	0.067	0.049	73.195	0.000	17.569	45.951	66.963	32.805
5 year Levelized ³ (2006-2010)	0.074	0.061	0.069	0.051	63.195	0.000	17.569	45.951	66.963	32.805
10 year Levelized ³ (2006-2015)	0.066	0.054	0.061	0.046	74.485	0.000	17.569	45.951	66.963	32.805
15 year Levelized ³ (2006-2020)	0.065	0.054	0.061	0.045	78.404	0.000	17.569	45.951	66.963	32.805

Notes

- 1) Capacity value reflects value after PER payment
- $2)\ 2005\ data\ for\ out\ of\ market\ transactions\ was\ estimated\ using\ ISO-NE\ current\ RMR\ payments\ as\ of\ July\ 27,\ 2005$
- 3) Levelized using a 2.03 percent real discount rate
- 4) GDP Implicit Price Deflator for 2003 to 2004 is 2.11 percent, and 2004 to 2005 is 2.25 percent
- 5) Energy values are avoided costs at the generator level. DSM savings should be measured at the generator level. (Load plus transmission losses + distribution losses)
- 6) 2006 Capacity value is at coincident summer peak
- 7) Avoided costs shown do not include effects of losses.

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ELECTRIC AVOIDED PRODUCER COSTS FOR RHODE ISLAND

15 year Levelized³ (2006-2020)

0.042

0.032

0.047

		AVOIDED P							
	FROM 200 Winter	3 AVOIDED Winter Off-	ENERGY SI Summer	UPPLY CON Summer	IPONENT S Summer	TUDY, IN 20 Winter	006\$, USED	IN 2005 TRUE C&I	E -UP Res
	Peak	Peak	Peak	Off-Peak	Gener.	Gener.	Transm.	Distribution	Distribution
	Energy	Energy	Energy	Energy	Capacity	Capacity	Capacity	Capacity	Capacity
Period:	\$/kWh	\$/kWh	\$/kWh	\$/kWh	\$/kW-yr	\$/kW	\$/kW	\$/kW	\$/kW
2005	0.047	0.038	0.049	0.036	35.161	0.161	29.514	63.396	92.394
2006	0.044	0.035	0.046	0.033	37.782	0.173	29.514	63.396	92.394
2007	0.043	0.034	0.047	0.033	38.016	0.174	29.514	63.396	92.394
2008	0.043	0.033	0.047	0.033	38.249	0.175	29.514	63.396	92.394
2009	0.042	0.033	0.047	0.033	41.676	0.191	29.514	63.396	92.394
2010	0.042	0.032	0.047	0.032	45.410	0.208	29.514	63.396	92.394
2011	0.042	0.032	0.046	0.032	49.479	0.227	29.514	63.396	92.394
2012	0.042	0.031	0.046	0.031	53.913	0.247	29.514	63.396	92.394
2013	0.041	0.031	0.046	0.031	58.743	0.269	29.514	63.396	92.394
2014	0.042	0.031	0.046	0.031	59.571	0.273	29.514	63.396	92.394
2015	0.042	0.031	0.046	0.031	60.409	0.277	29.514	63.396	92.394
2016	0.042	0.031	0.047	0.031	61.260	0.281	29.514	63.396	92.394
2017	0.042	0.032	0.047	0.032	62.122	0.285	29.514	63.396	92.394
2018	0.043	0.032	0.047	0.032	62.997	0.289	29.514	63.396	92.394
2019	0.043	0.032	0.048	0.032	62.237	0.285	29.514	63.396	92.394
2020	0.043	0.032	0.048	0.032	61.487	0.282	29.514	63.396	92.394
2021	0.043	0.032	0.048	0.032	60.745	0.279	29.514	63.396	92.394
2022	0.043	0.032	0.048	0.032	60.013	0.275	29.514	63.396	92.394
2023	0.042	0.032	0.049	0.032	59.289	0.272	29.514	63.396	92.394
2024	0.042	0.032	0.049	0.032	58.574	0.269	29.514	63.396	92.394
2025	0.042	0.032	0.049	0.032	57.868	0.265	29.514	63.396	92.394
2026	0.043	0.032	0.050	0.032	58.327	0.268	29.514	63.396	92.394
2027	0.043	0.032	0.050	0.033	58.789	0.270	29.514	63.396	92.394
2028	0.043	0.033	0.050	0.033	59.256	0.272	29.514	63.396	92.394
2029	0.044	0.033	0.050	0.033	59.726	0.274	29.514	63.396	92.394
2030	0.044	0.033	0.051	0.033	60.199	0.276	29.514	63.396	92.394
2031	0.044	0.033	0.051	0.033	60.199	0.276	29.514	63.396	92.394
2032	0.044	0.033	0.051	0.033	60.199	0.276	29.514	63.396	92.394
2033	0.044	0.033	0.051	0.033	60.199	0.276	29.514	63.396	92.394
2034	0.044	0.033	0.051	0.033	60.199	0.276	29.514	63.396	92.394
2035	0.044	0.033	0.051	0.033	60.199	0.276	29.514	63.396	92.394
2036	0.044	0.033	0.051	0.033	60.199	0.276	29.514	63.396	92.394
2037	0.044	0.033	0.051	0.033	60.199	0.276	29.514	63.396	92.394
2038	0.044	0.033	0.051	0.033	60.199	0.276	29.514	63.396	92.394
2039	0.044	0.033	0.051	0.033	60.199	0.276	29.514	63.396	92.394
2040	0.044	0.033	0.051	0.033	60.199	0.276	29.514	63.396	92.394
Levelized ³ (2005-2040)	0.043	0.033	0.048	0.032	54.981	0.252	29.514	63.396	92.394
5 year Levelized ³ (2006-2010)	0.043	0.034	0.047	0.033	40.151	0.184	29.514	63.396	92.394
10 year Levelized ³ (2006-2015)	0.042	0.032	0.046	0.032	47.826	0.219	29.514	63.396	92.394
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